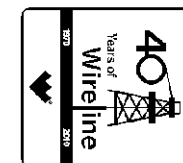




Weatherford

HOLE VOLUME CALIPER LOG



COMPANY	BILL BARRETT CORPORATION		
WELL	GGU FEDERAL 42D-29-691		
FIELD	GIBSON GULCH		
PROVINCE/COUNTY	GARFIELD		
COUNTRY/STATE	U.S.A. / COLORADO		
LOCATION	SHL: 1246' FNL & 1282' FEL BHL: 1473' FNL & 664' FEL		
SEC	TWP	RGE	Other Services
29	6S	91W	MPD/MDN MAI/MFE
API Number	05-045-19803		
Permit Number			
Permanent Datum G.L., Elevation 6104 feet			Elevations:
Log Measured From K.B. @ 23 FEET above Permanent Datum			KB 6127.00
Drilling Measured From K.B.			DF 6126.00
			GL 6104.00
Date	08-JAN-2011		
Run Number	ONE		
Depth Driller	7385.00	feet	
Depth Logger	7384.00	feet	
First Reading	7362.00		
Last Reading	824.00		
Casing Driller	820.00	feet	
Casing Logger	824.00	feet	
Bit Size	7.880	inches	
Hole Fluid Type	LSND		
Density / Viscosity	10.10 lb/USg	55.00 CP	
PH / Fluid Loss	9.00	6.20 ml/30Min	
Sample Source	FLOW LINE		
Rm @ Measured Temp	3.30 @ 70.0	ohm-m	
Rmf @ Measured Temp	2.64 @ 70.0	ohm-m	
Rmc @ Measured Temp	3.96 @ 70.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	1.32 @ 179.0	ohm-m	
Time Since Circulation	6 HOURS		
Max Recorded Temp	179.00	deg F	
Equipment Name	COMPACT		
Equipment / Base	13173	GD JCT	
Recorded By	D. KUNTZ		
Witnessed By	C. CROW		

BOREHOLE RECORD			Last Edited: 08-JAN-2011 10:28	
Bit Size inches	Depth From feet		Depth To feet	
8.750	824.00		5628.00	
7.880	5628.00		7385.00	
CASING RECORD				
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	824.00	36.00

REMARKS
TOOLS: SHA, MCG, MDN, MPD, SKJ, MFE AND MAI RAN IN COMBINATION.
HARDWARE: MPD: 8 INCH PROFILE PLATE USED. ONE 0.5 INCH STANDOFFS USED ON INDUCTION. ONE 0.5 INCH STANDOFFS USED ON MFE. DUAL BOWSPRING USED ON NEUTRON.
2.68 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.
ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.
TIGHT PULLS, BOREHOLE SIZE, AND RUGOSITY WILL AFFECT REPEATABILITY AND DATA QUALITY.
LOGS SPLICED AT 5780 FEET DUE TO TOOL ROLLOVER. AFTER REPEATING THE HOLE WAS FOUND TO BE IN GAUGE.
DENSITY POROSITY IS READING HIGH, NEUTRON POROSITY AND DCOR ARE READING LOW DUE TO 8% LCM USED IN THE MUD SYSTEM. LOGGED OUT WITHOUT SWAPPING TOOLS AS PER CUSTOMERS' REQUEST.

SYSTEM: LOGGED OUT WITHOUT SWAPTING TOOLS AFTER CUSTOMERS REQUEST.

CALIPER CHECK IN CASING PRESENTED, REFERENCE I.D. = 8.99" (9 5/8", 36 LB/FT CASING)

8.75 INCH BIT USED FROM SURFACE CASING TO 5628 FT.

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2095 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 5628 CU.FT.

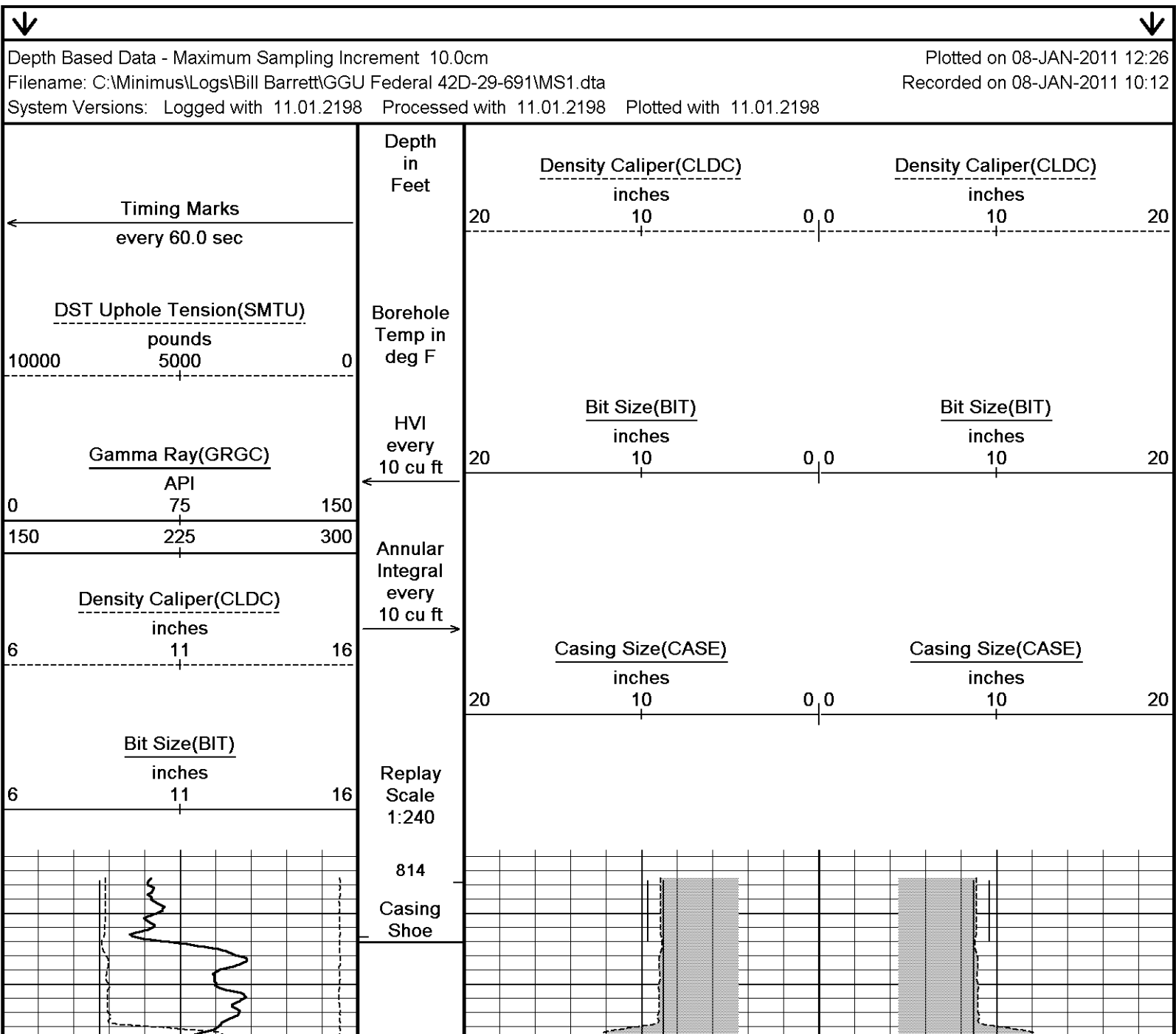
ENGINEER(S): D. KUNTZ

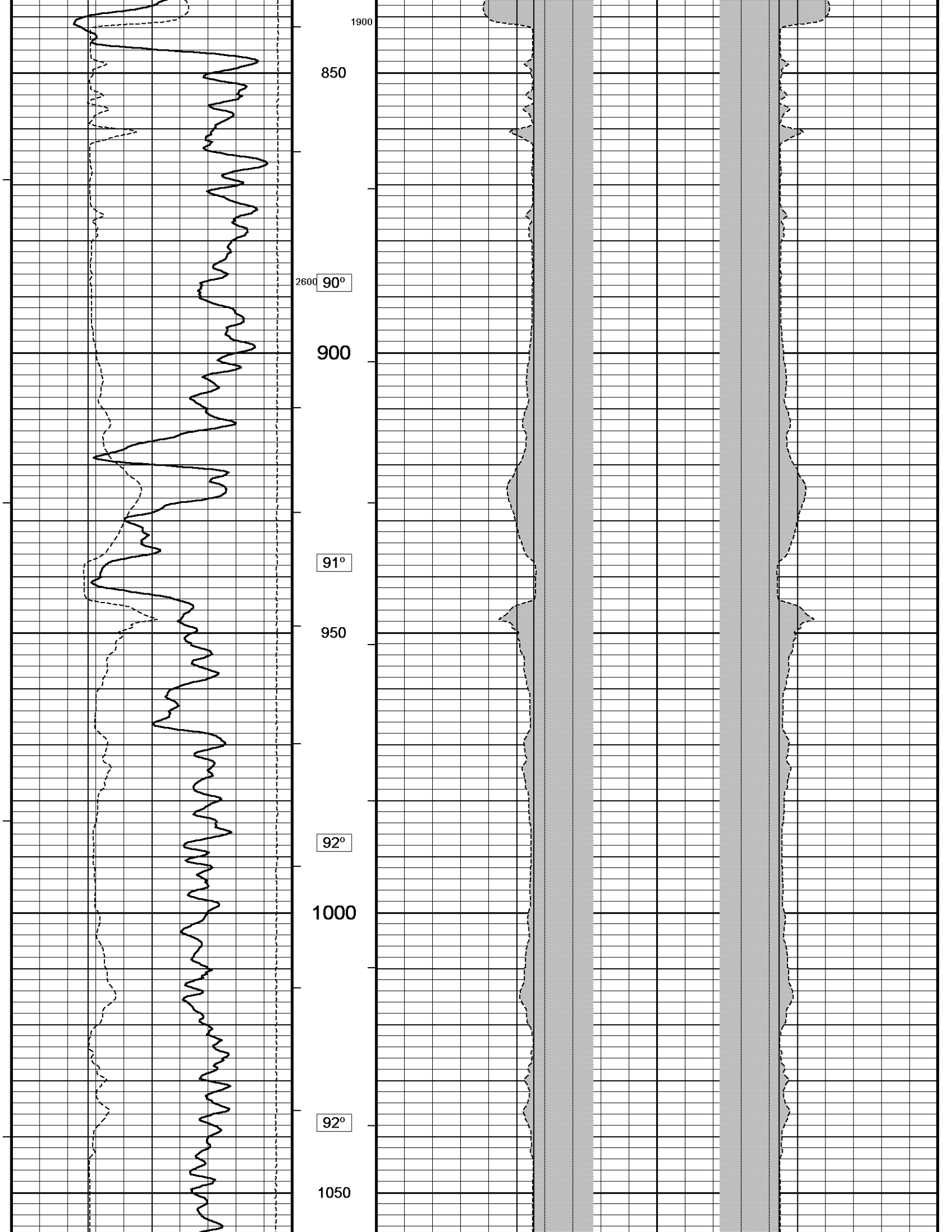
OPERATOR: S.KAISER, R. SYERS

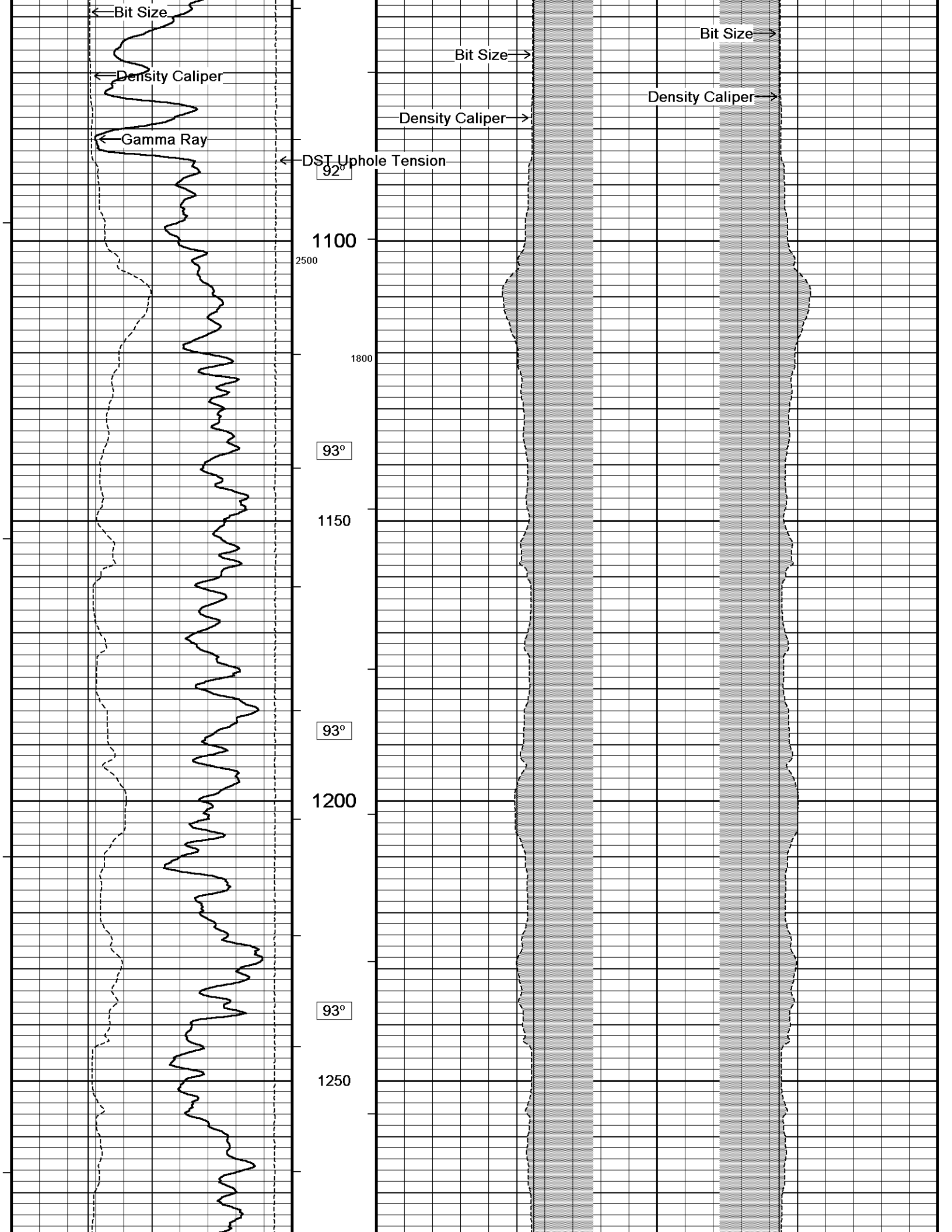
SERVICE ORDER: # 3526093

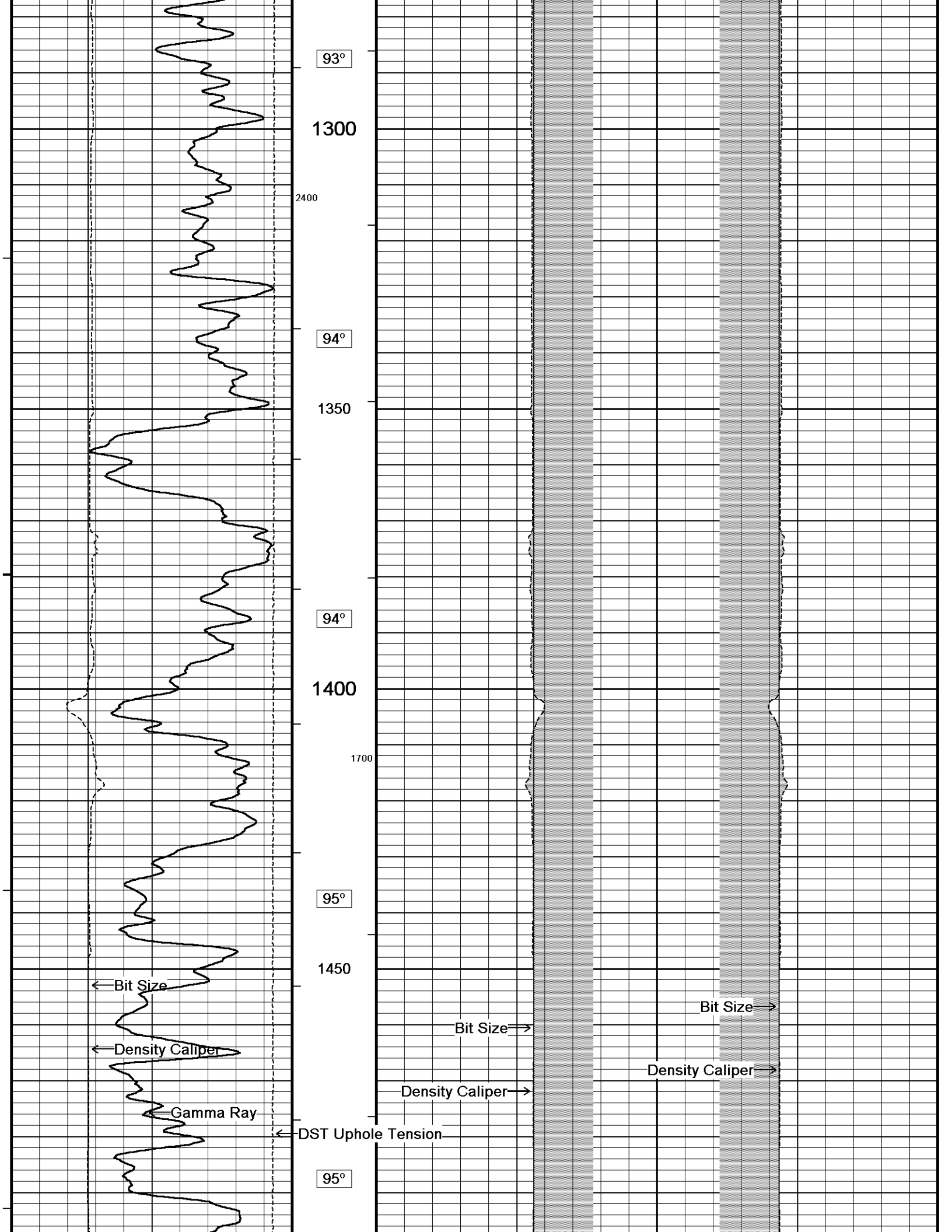
RIG: PATTERSON #307

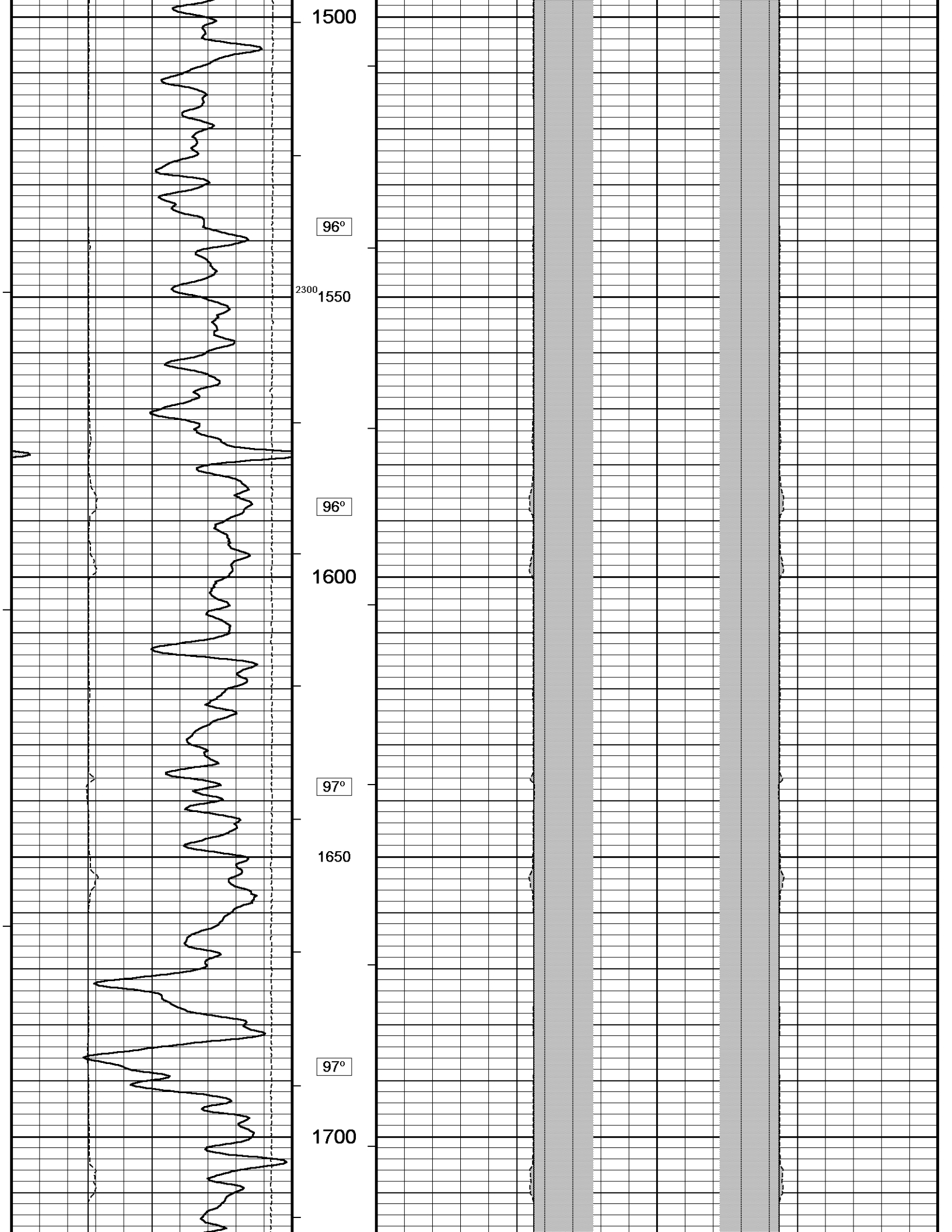
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

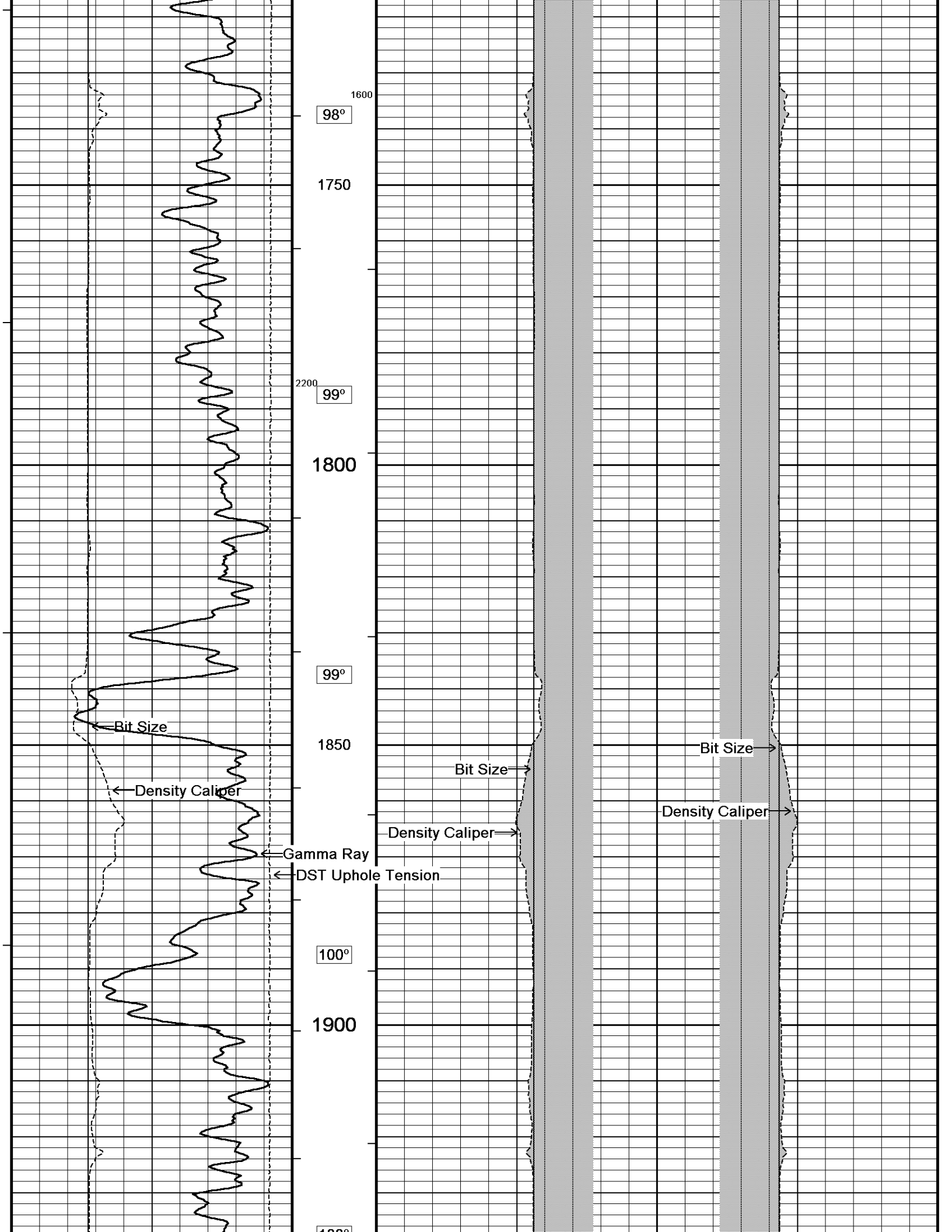


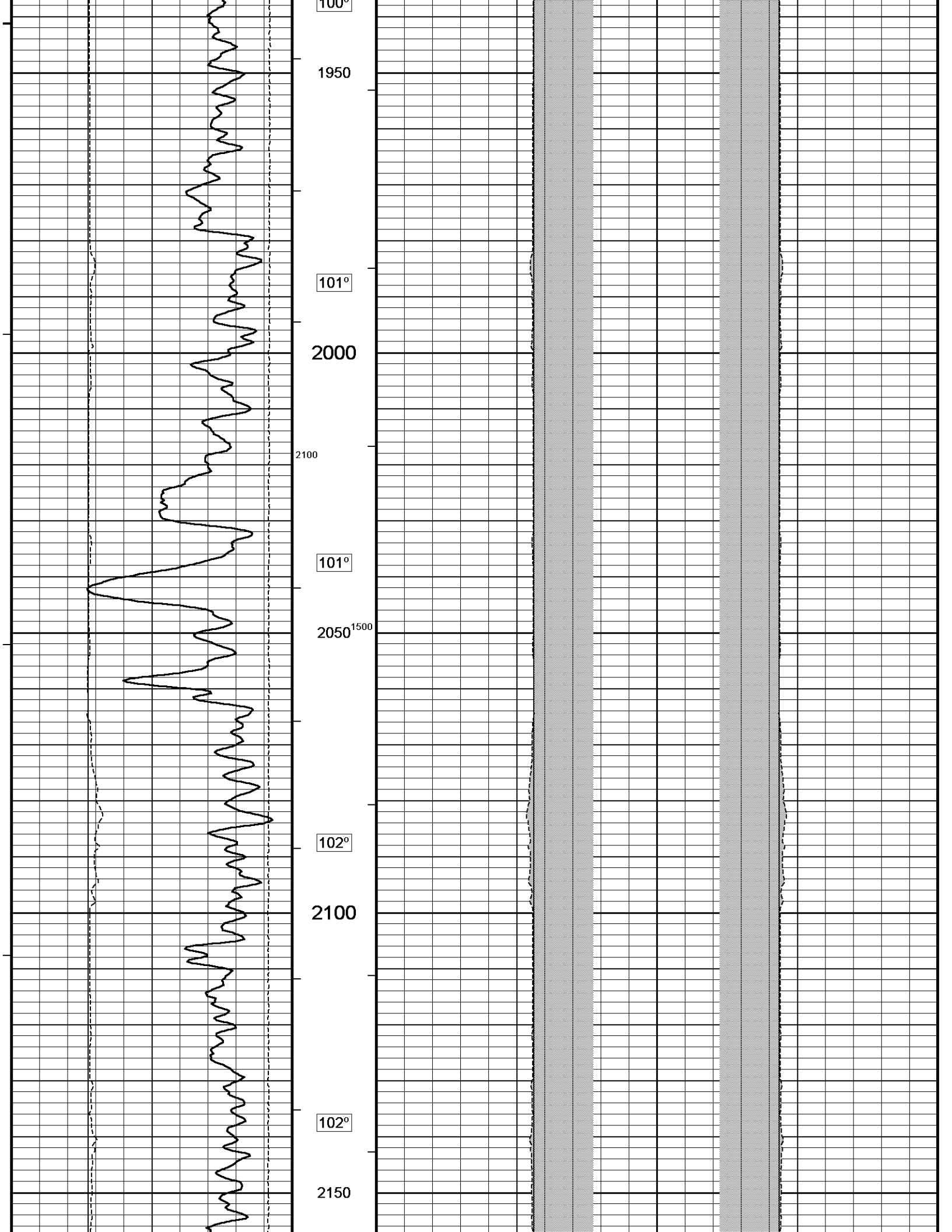


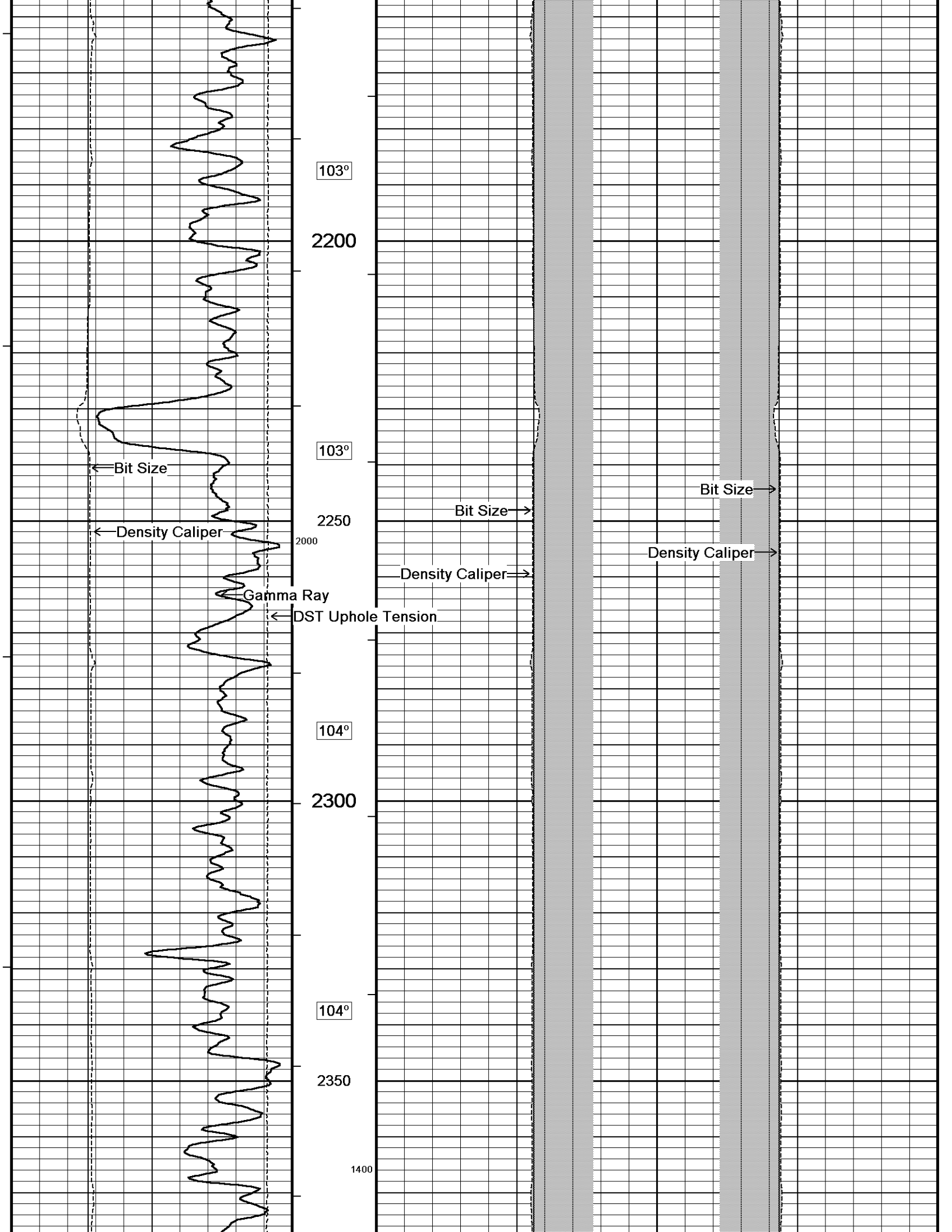


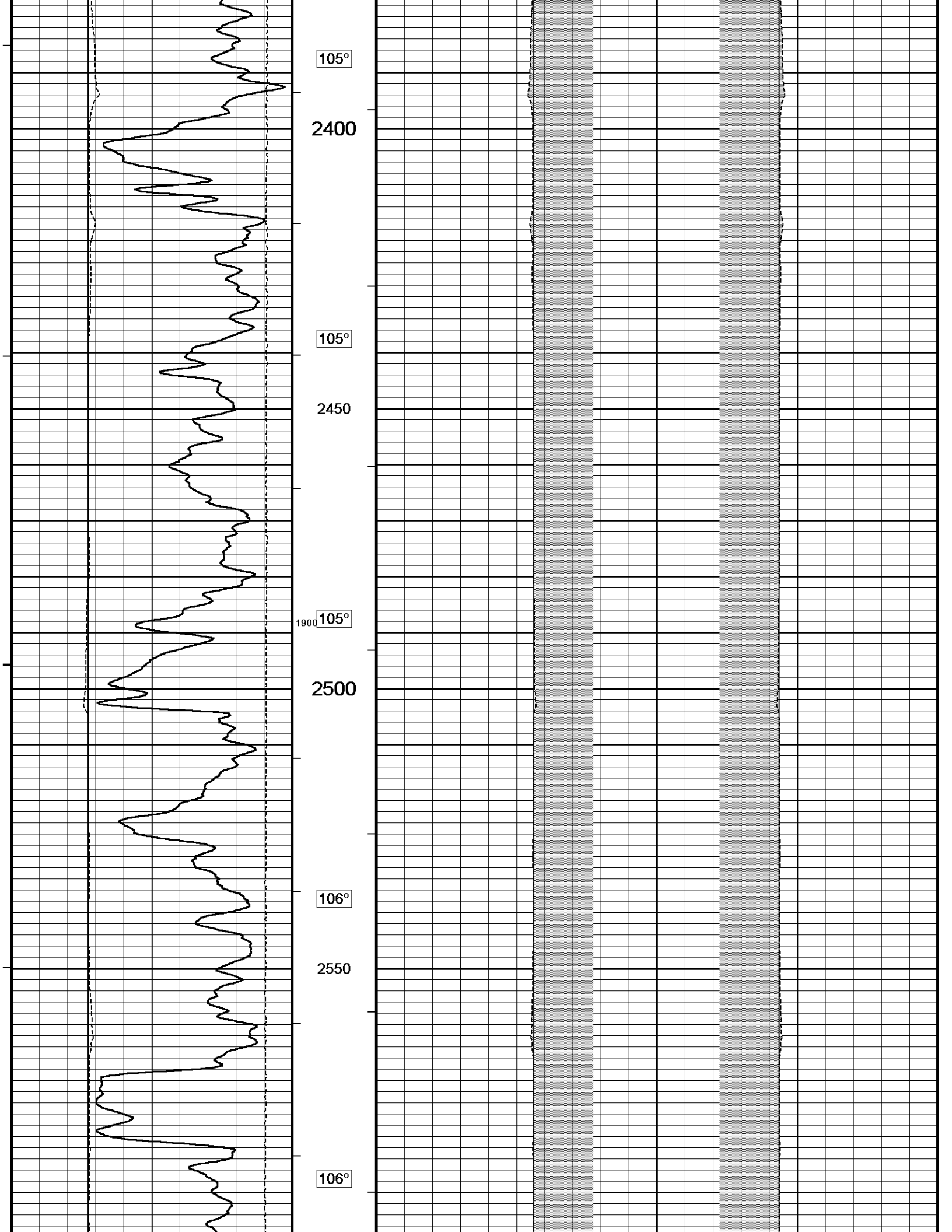


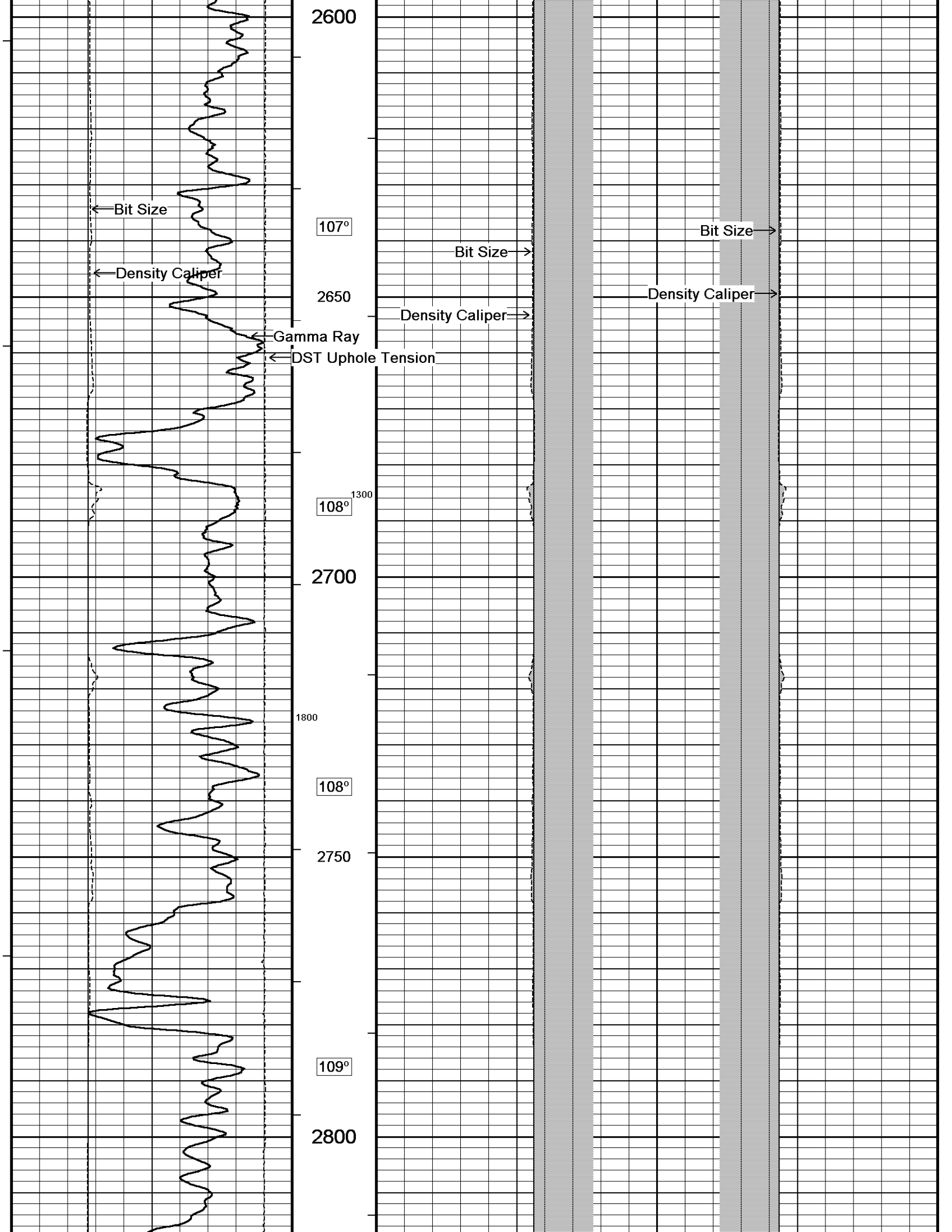


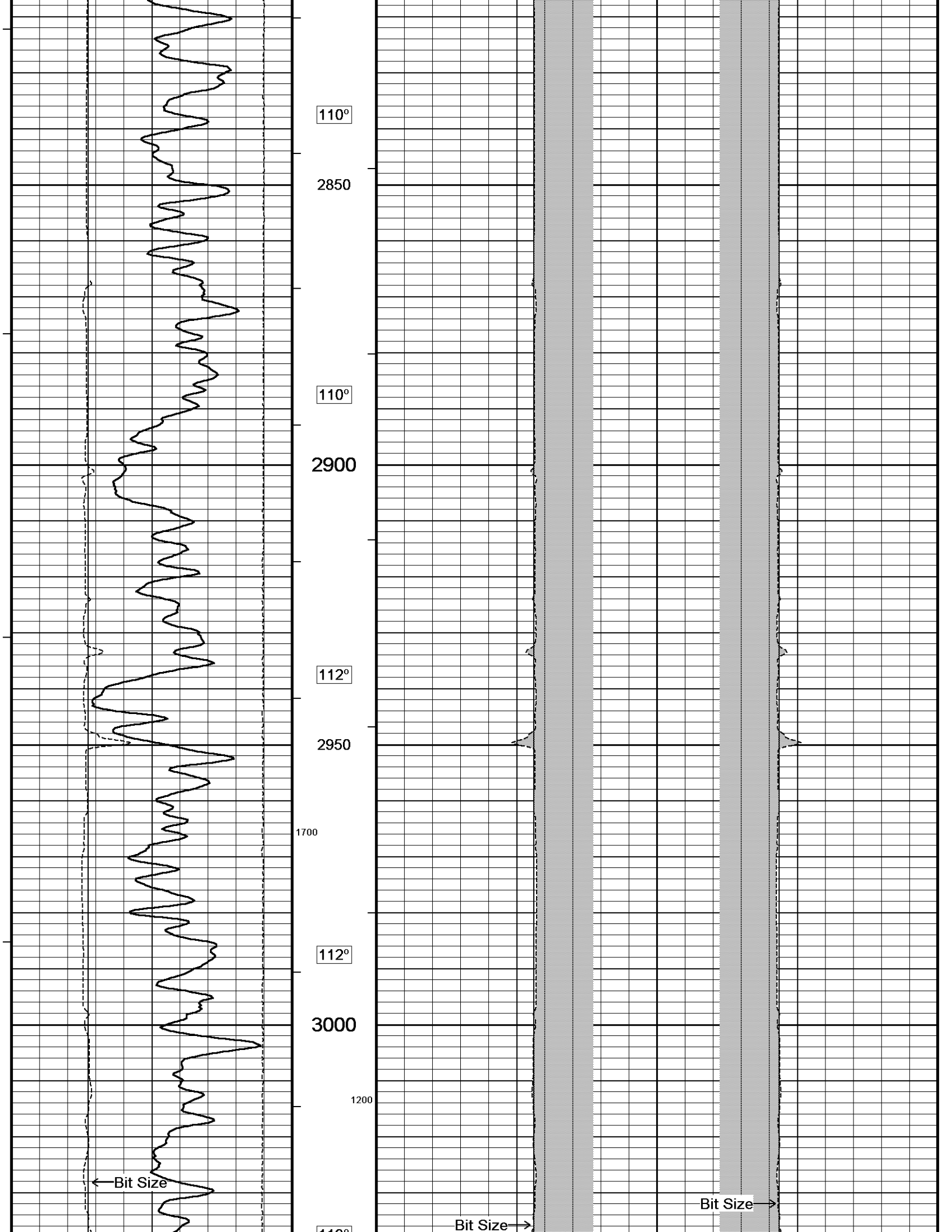


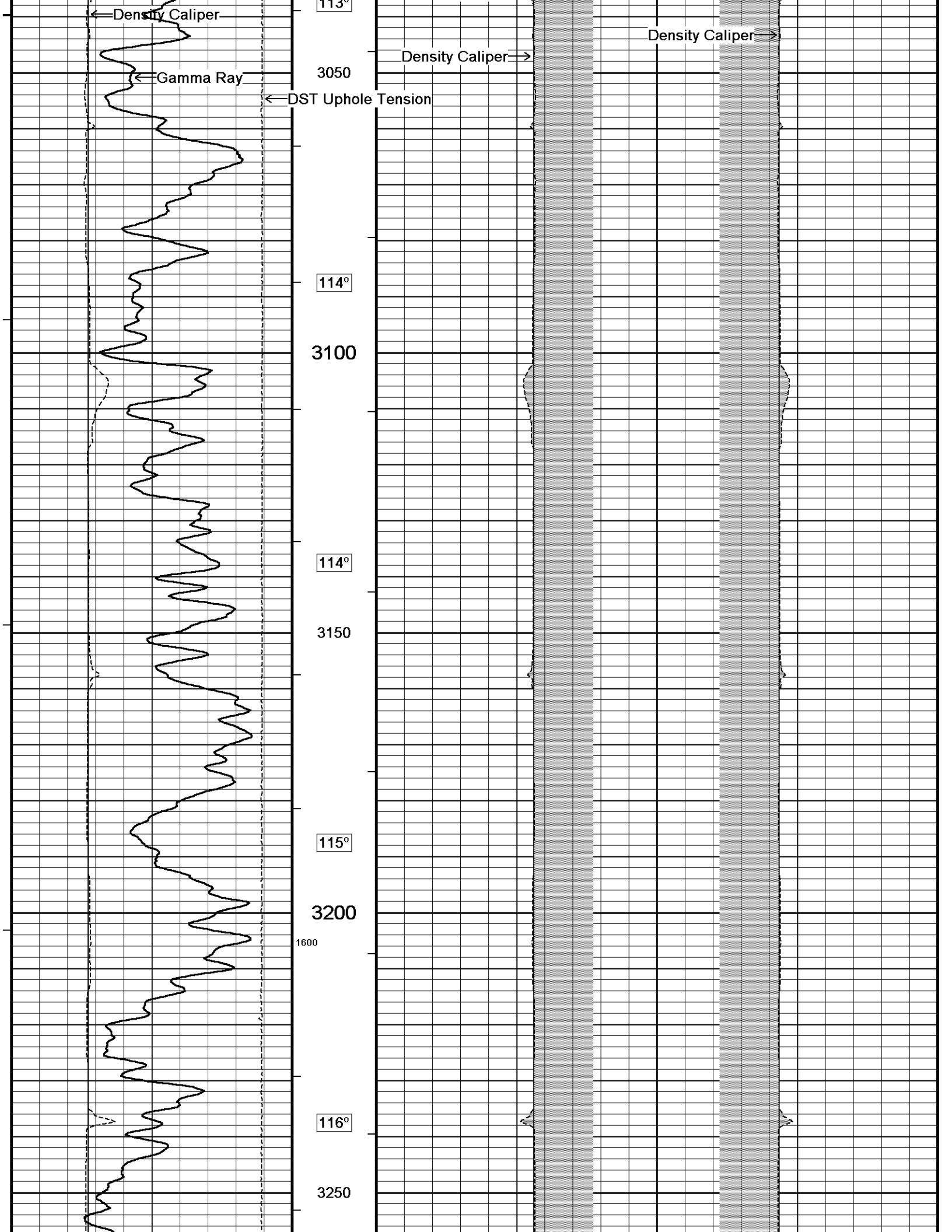


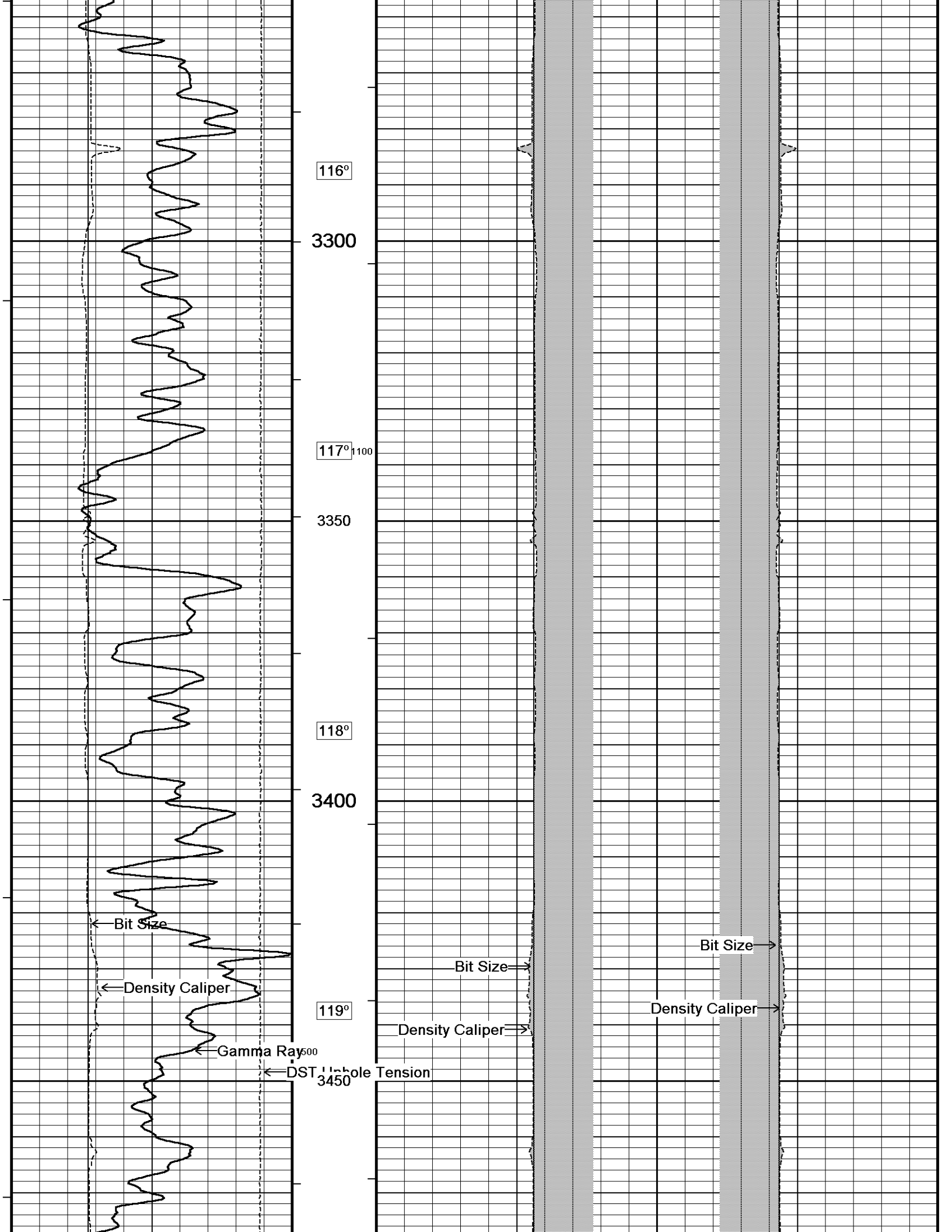


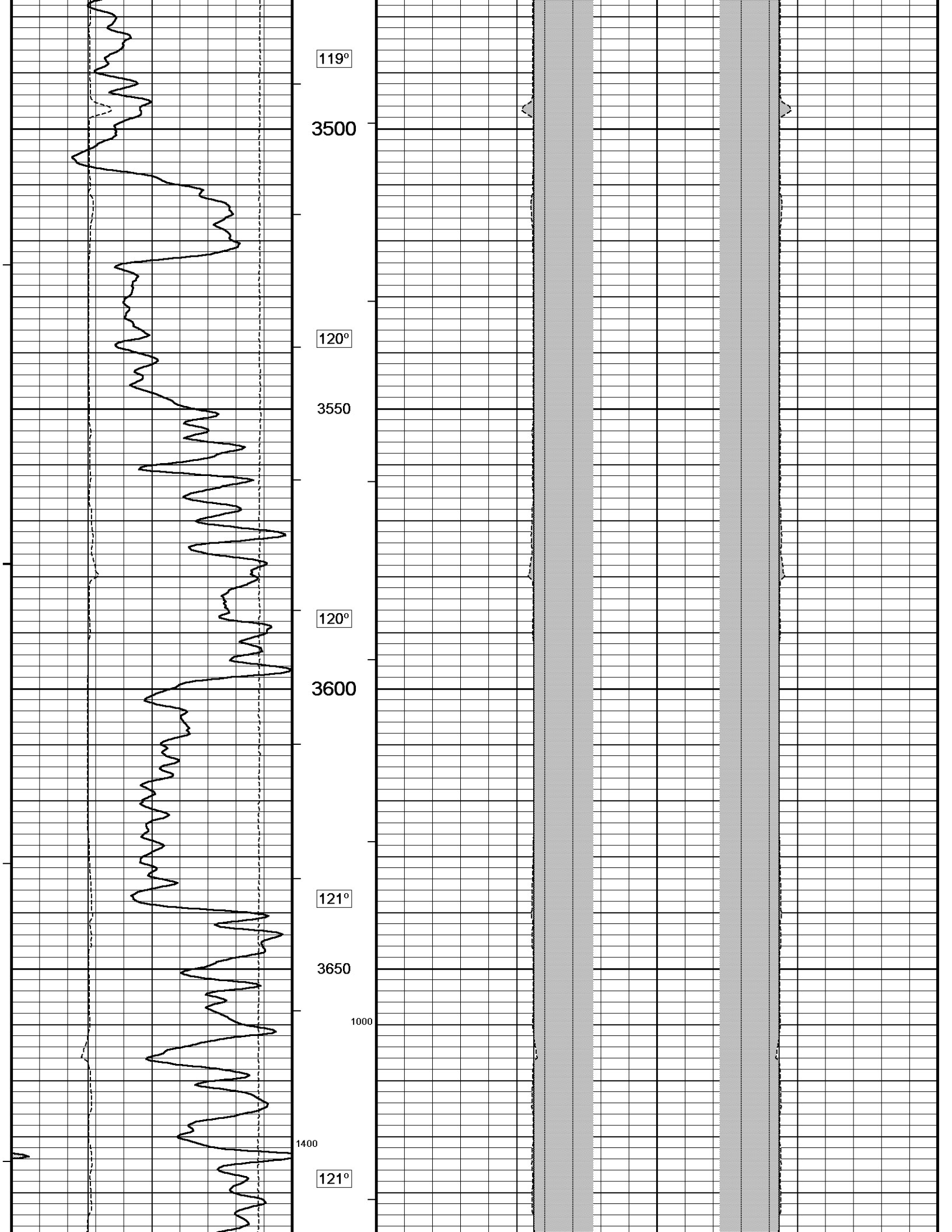


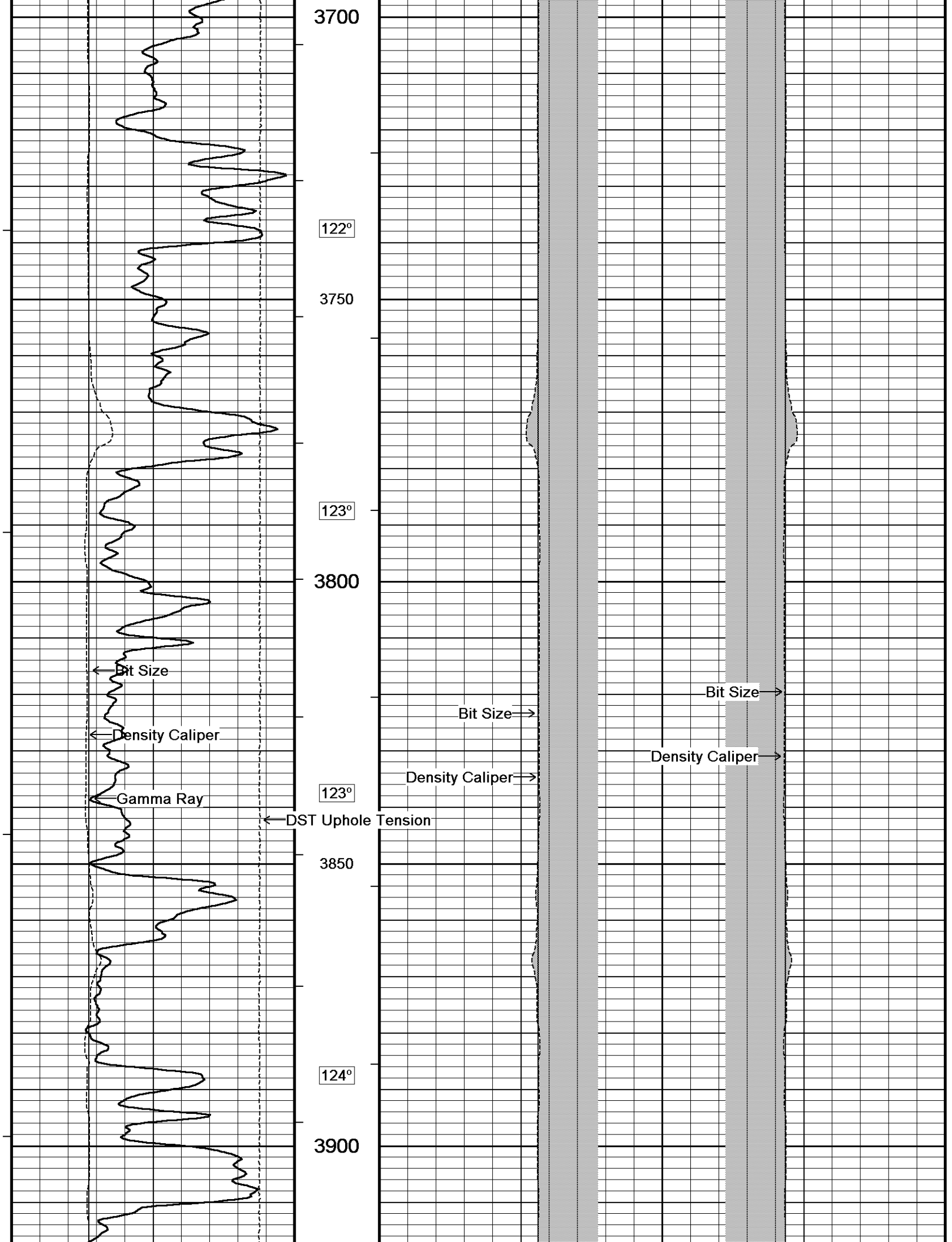


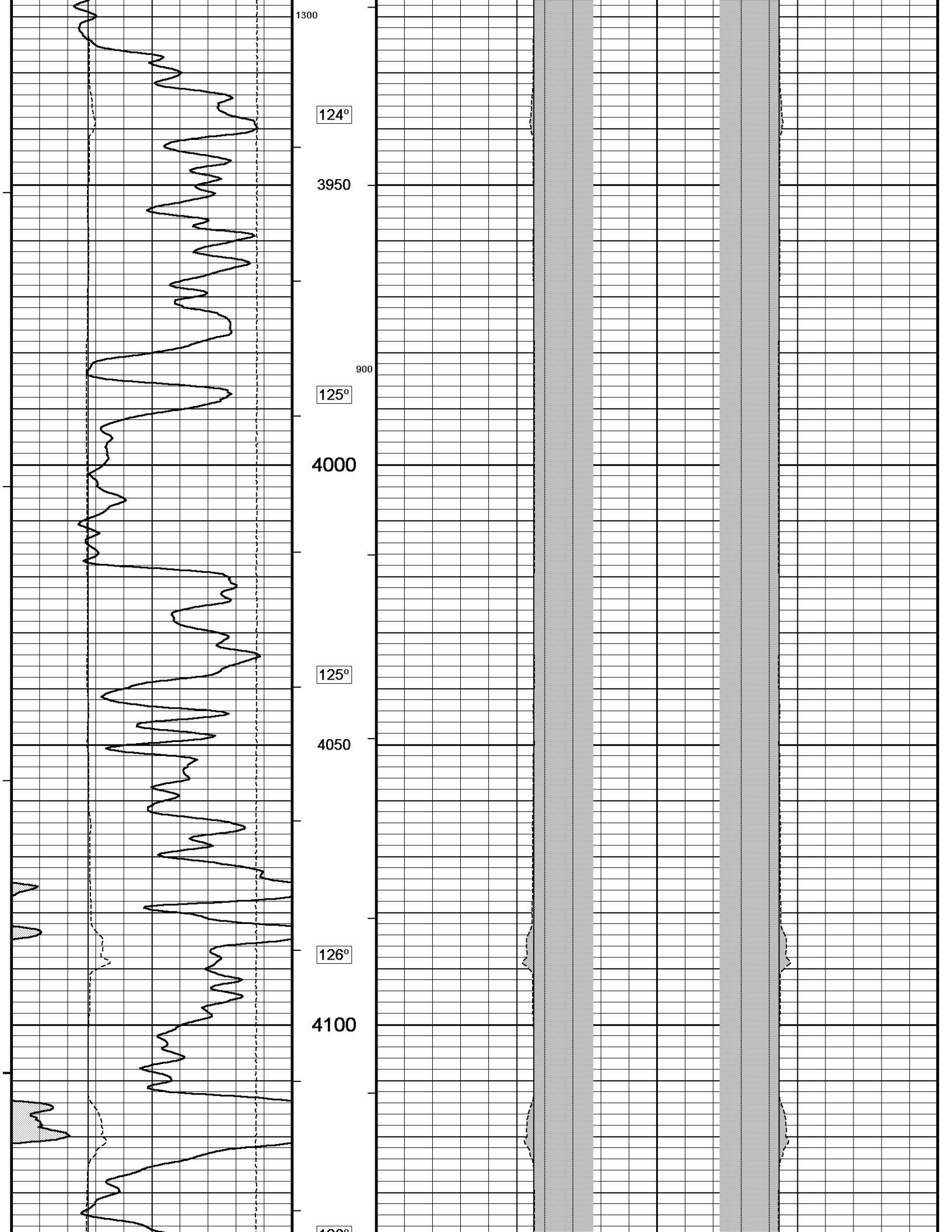


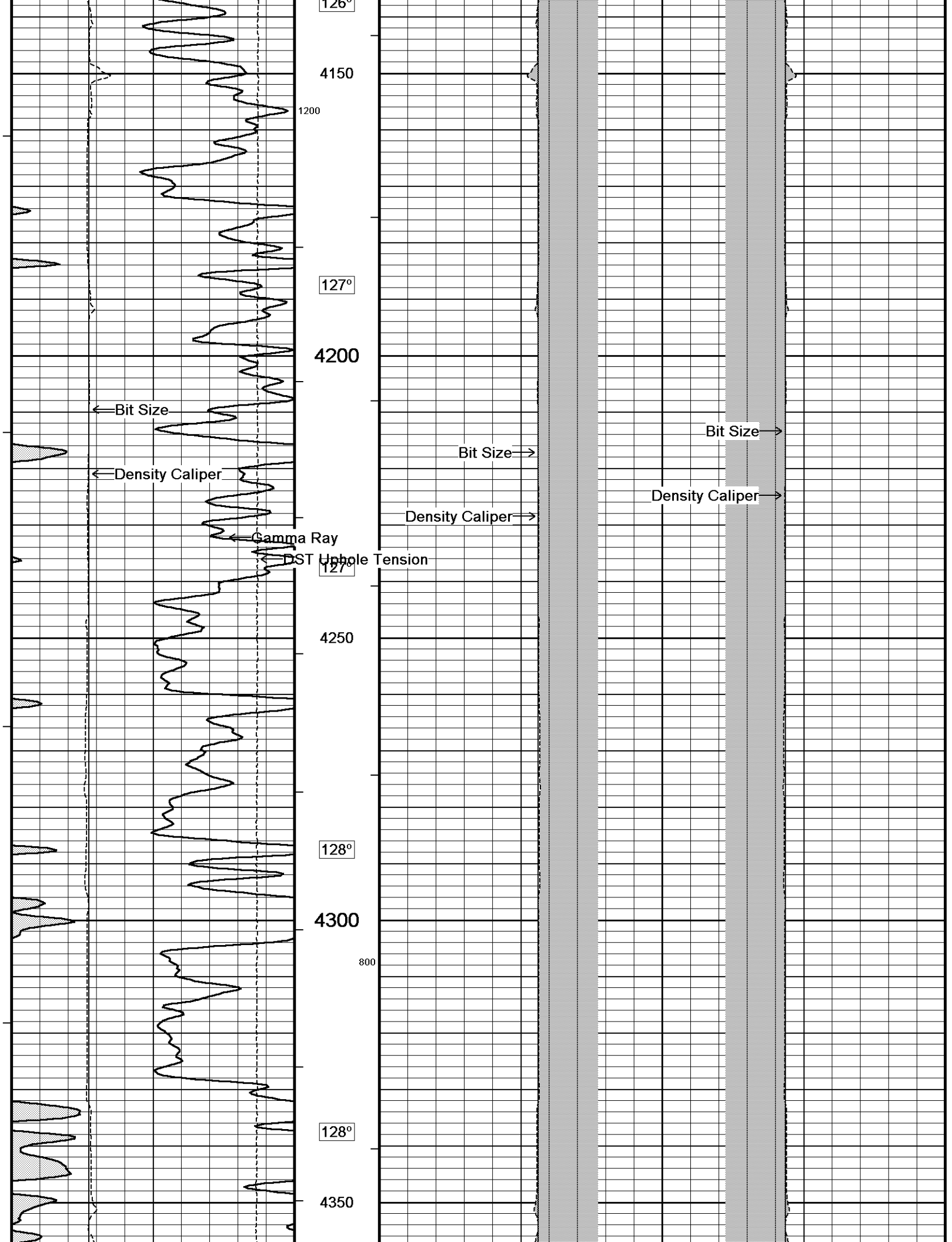


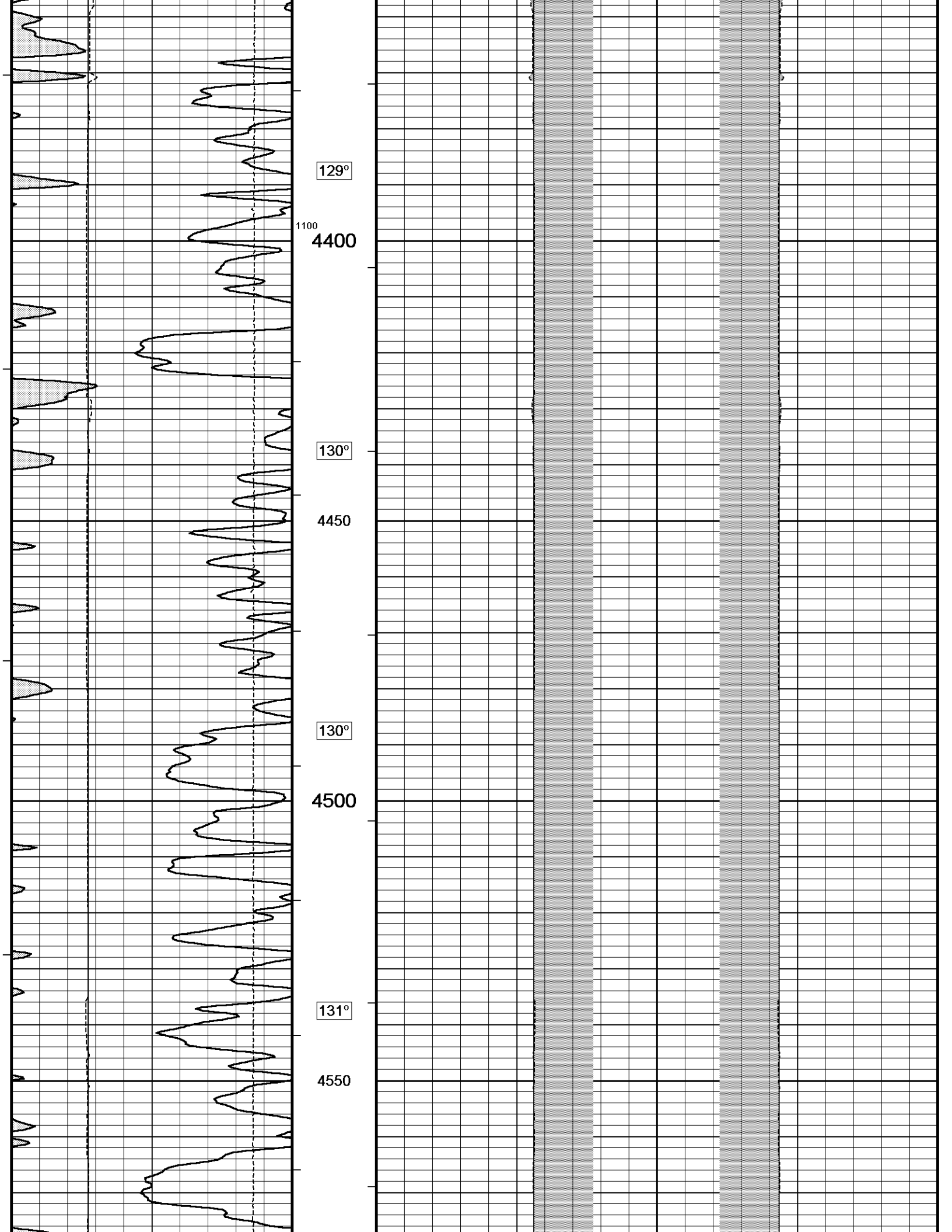


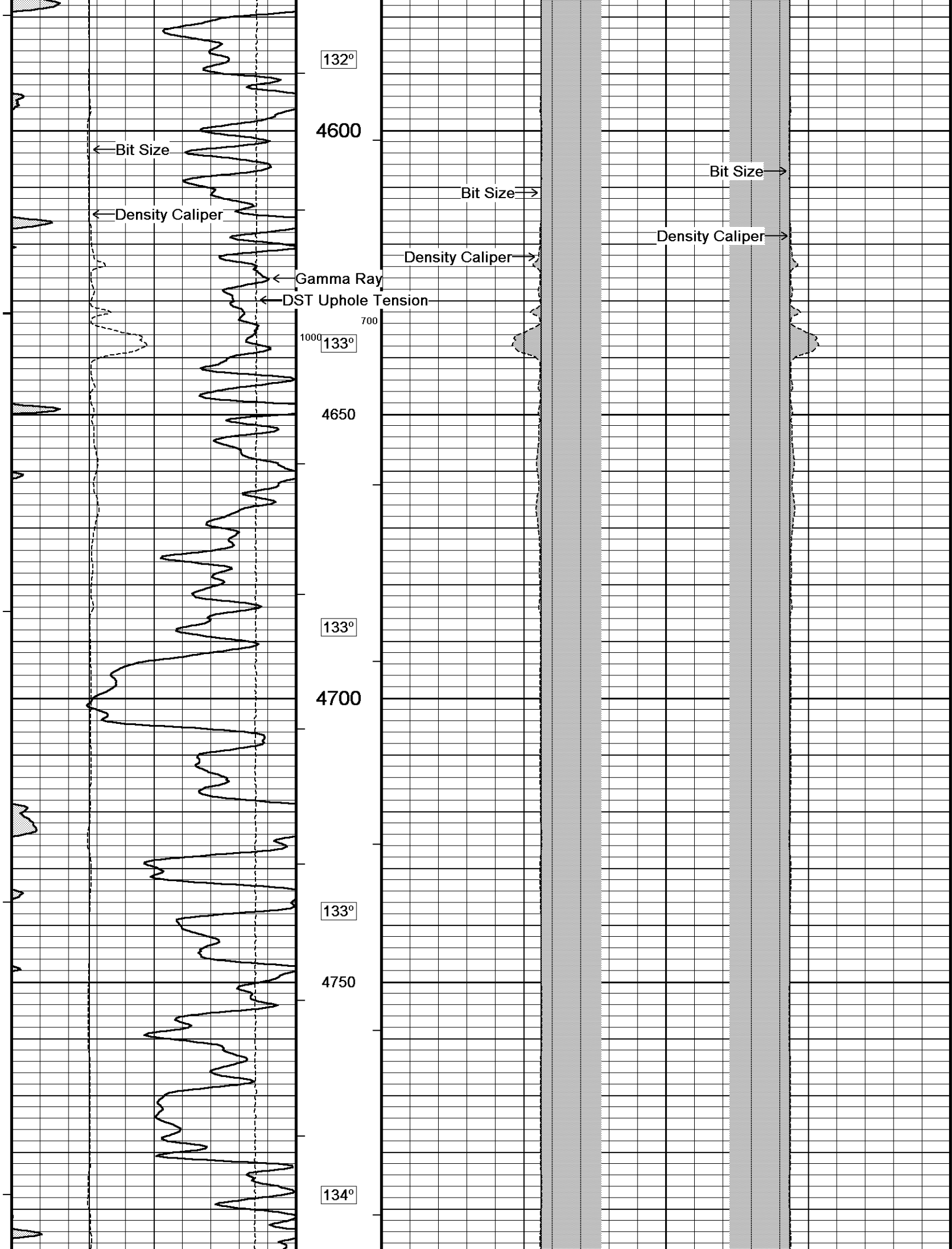


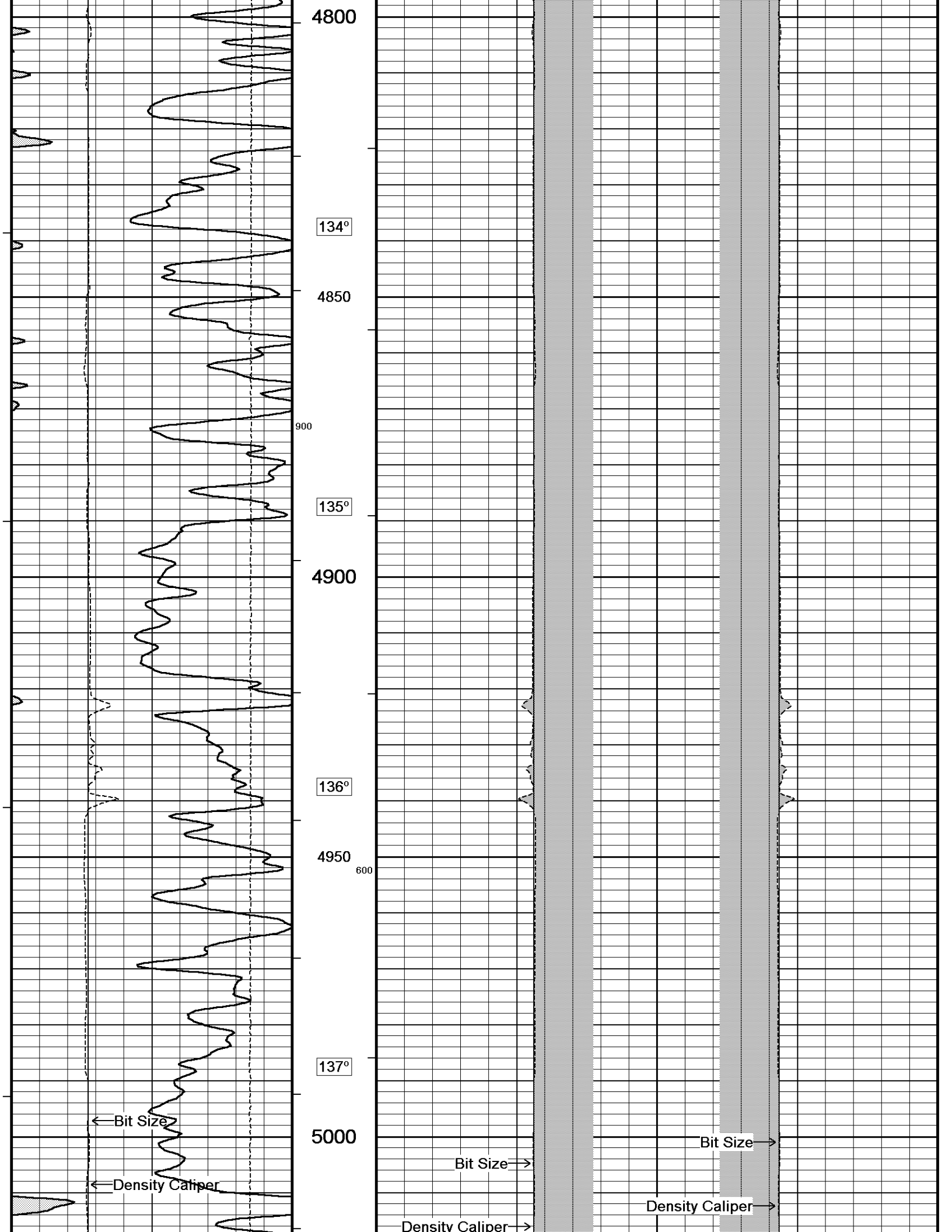


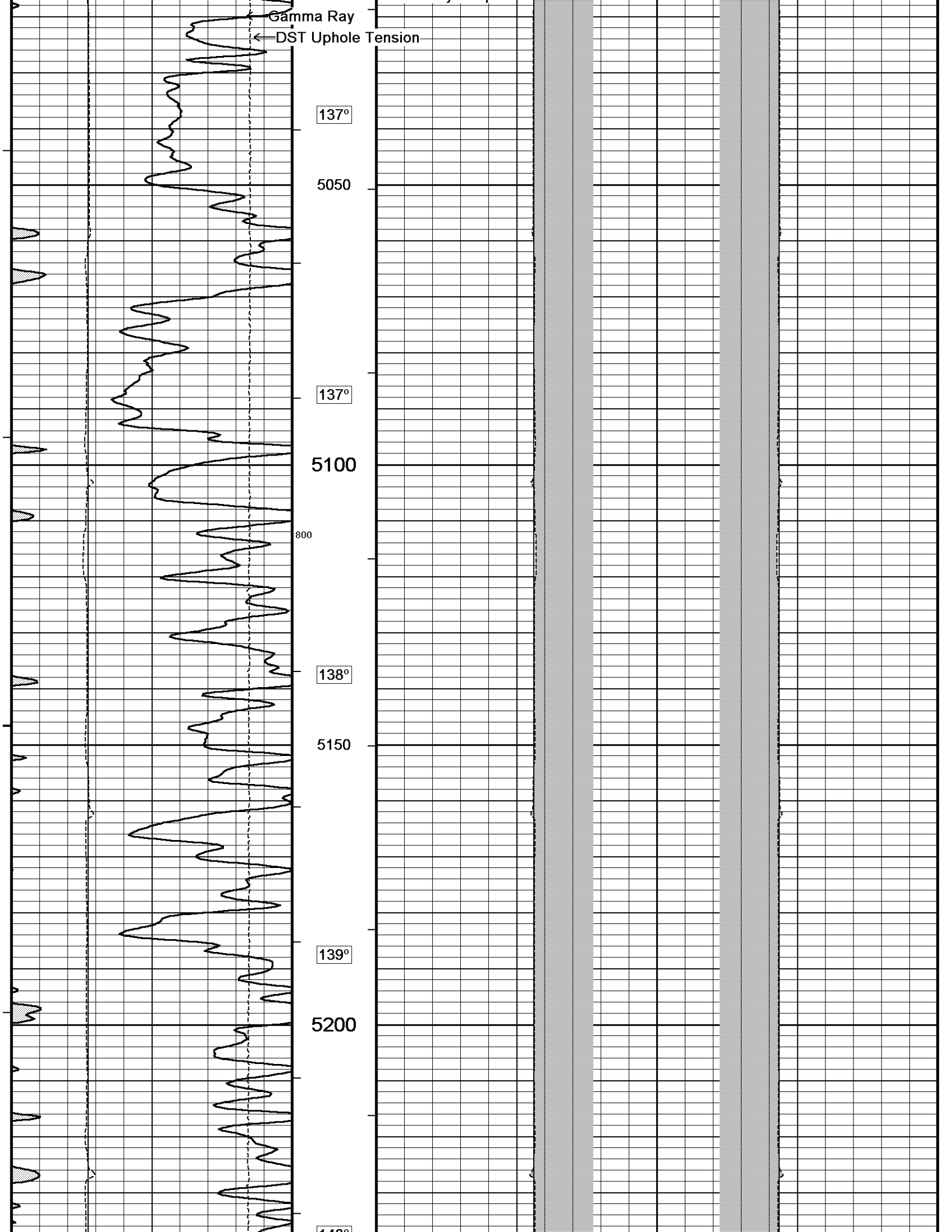


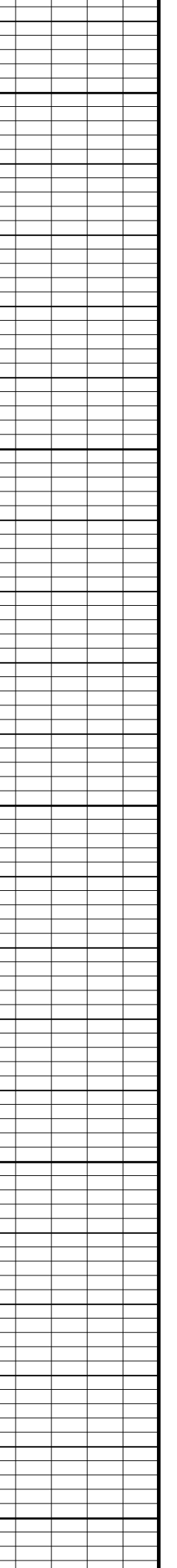
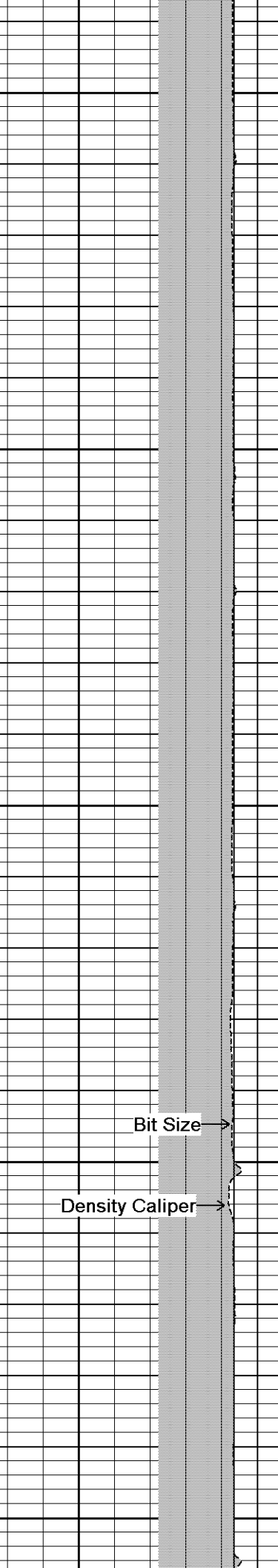
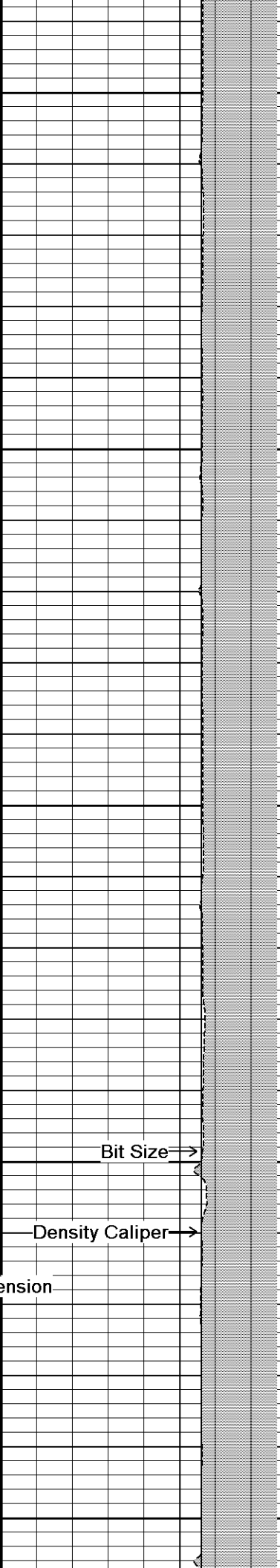
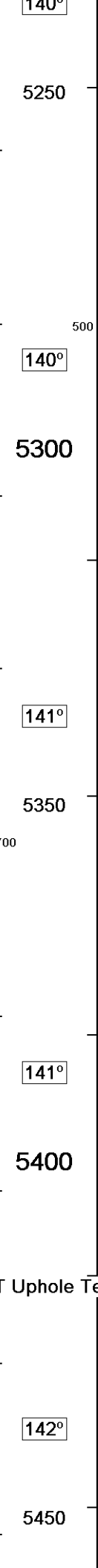
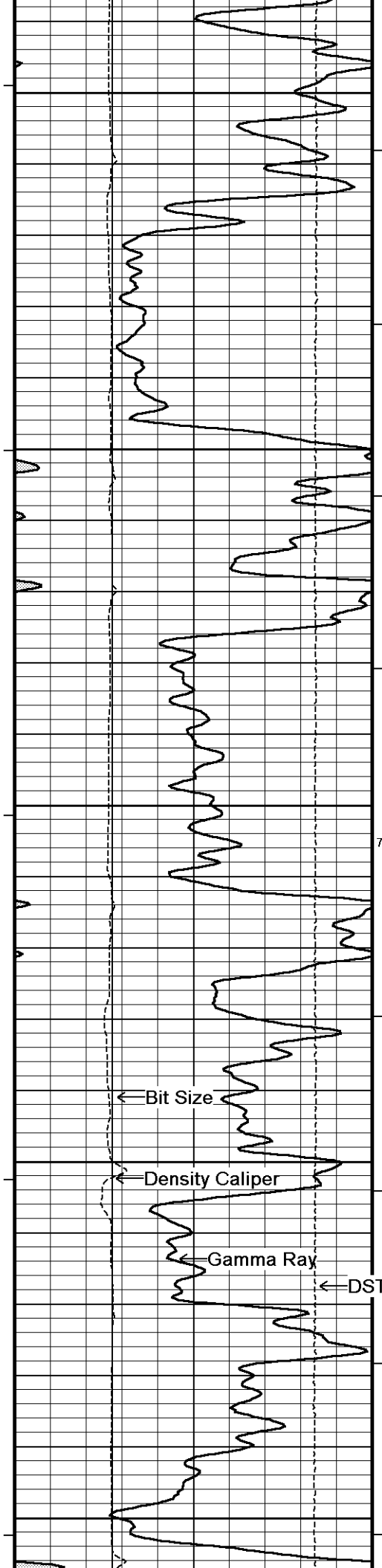


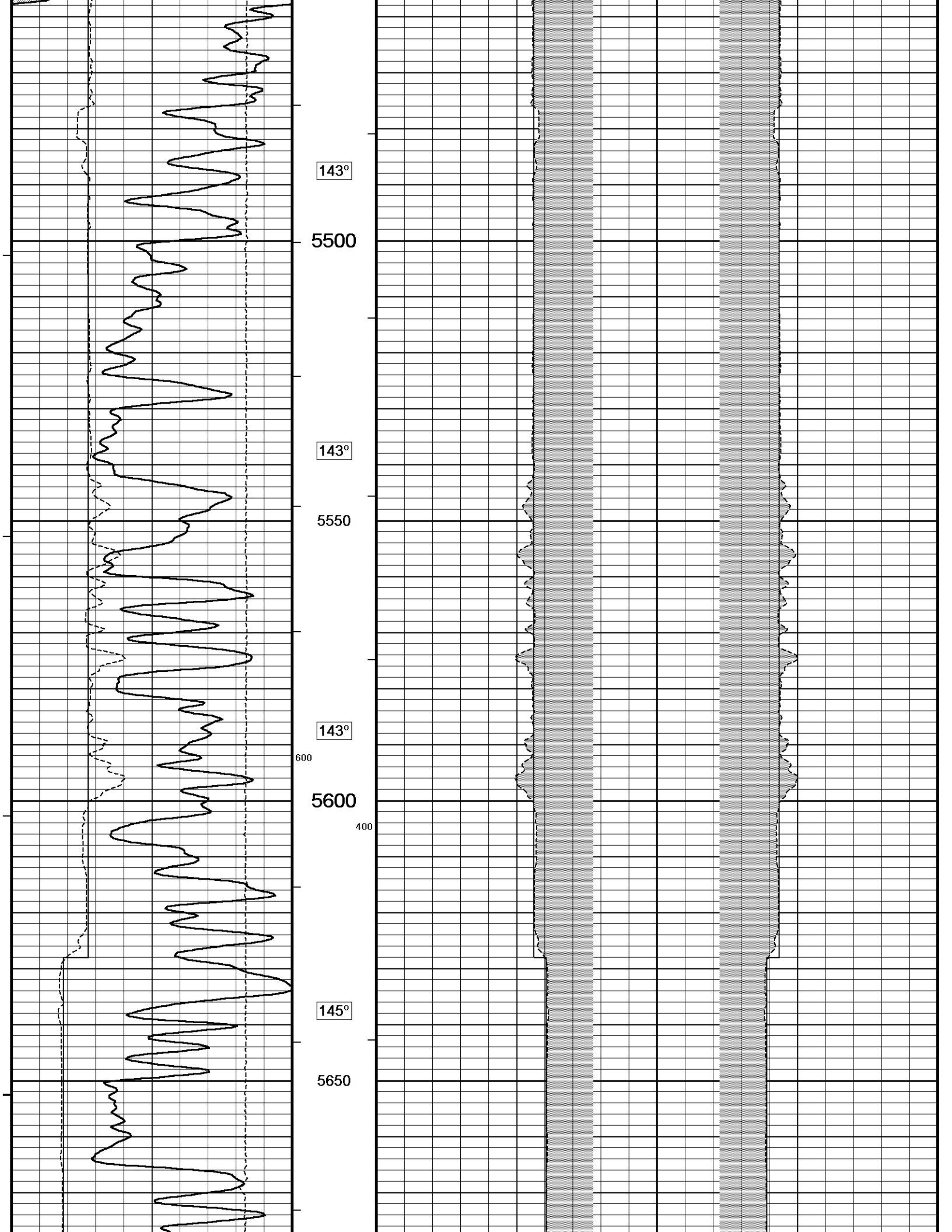


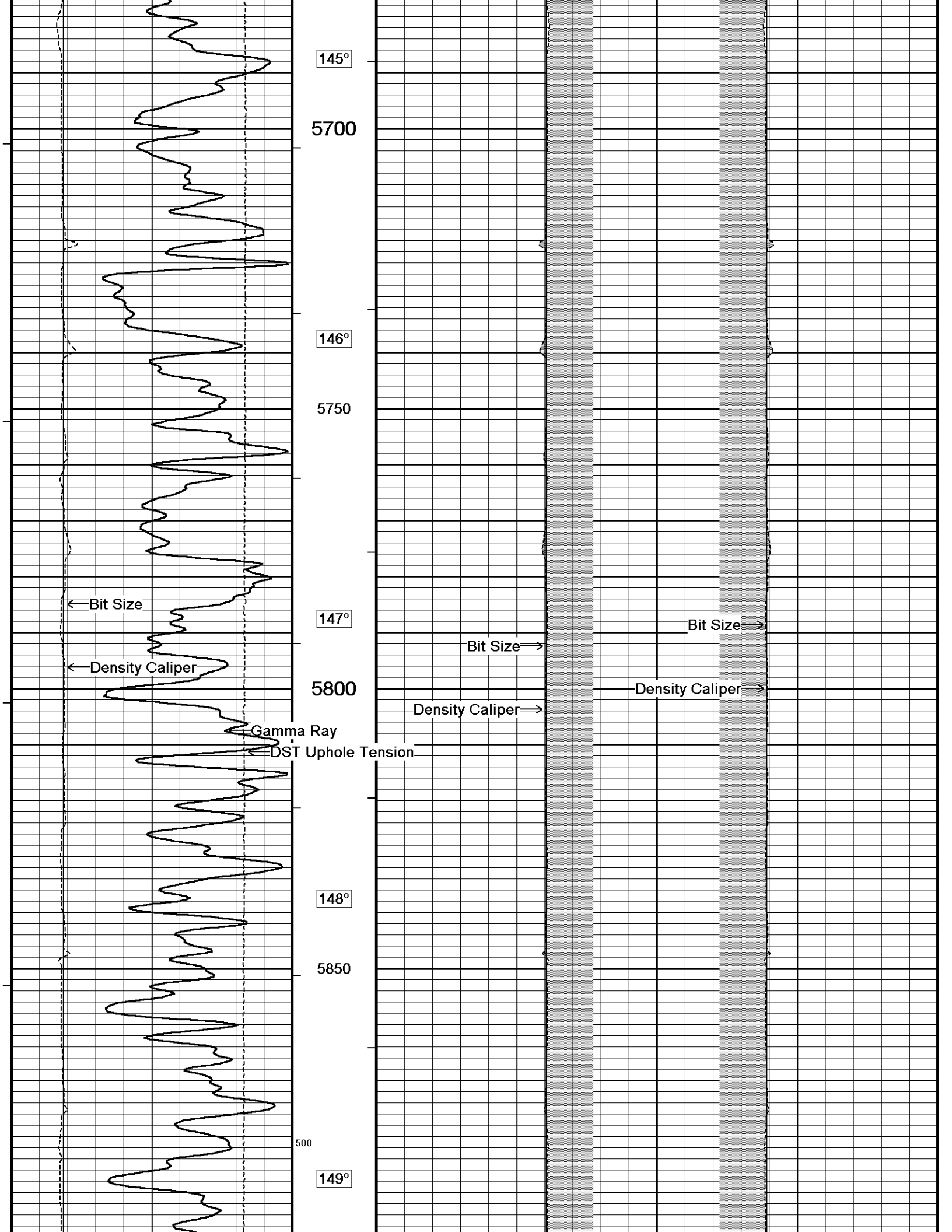


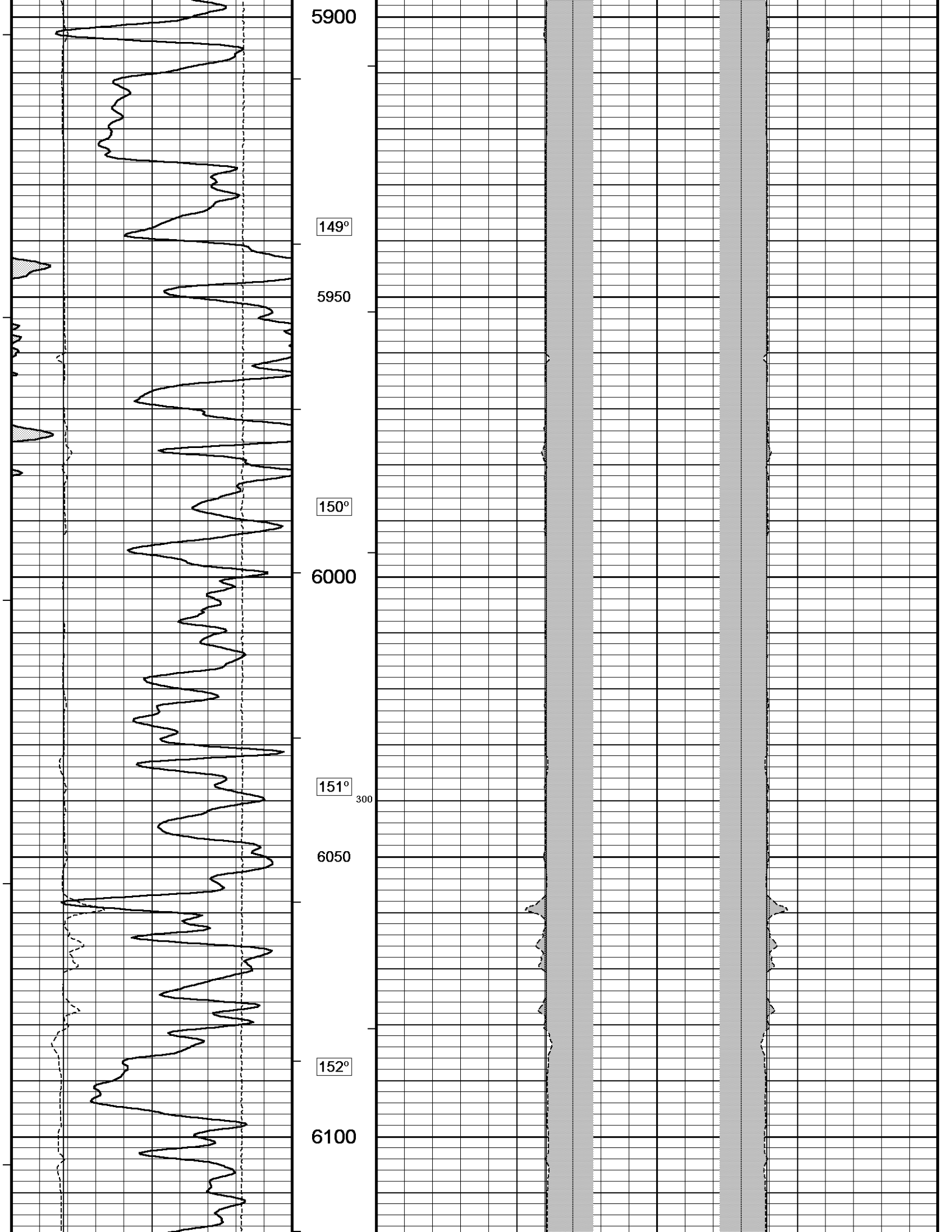


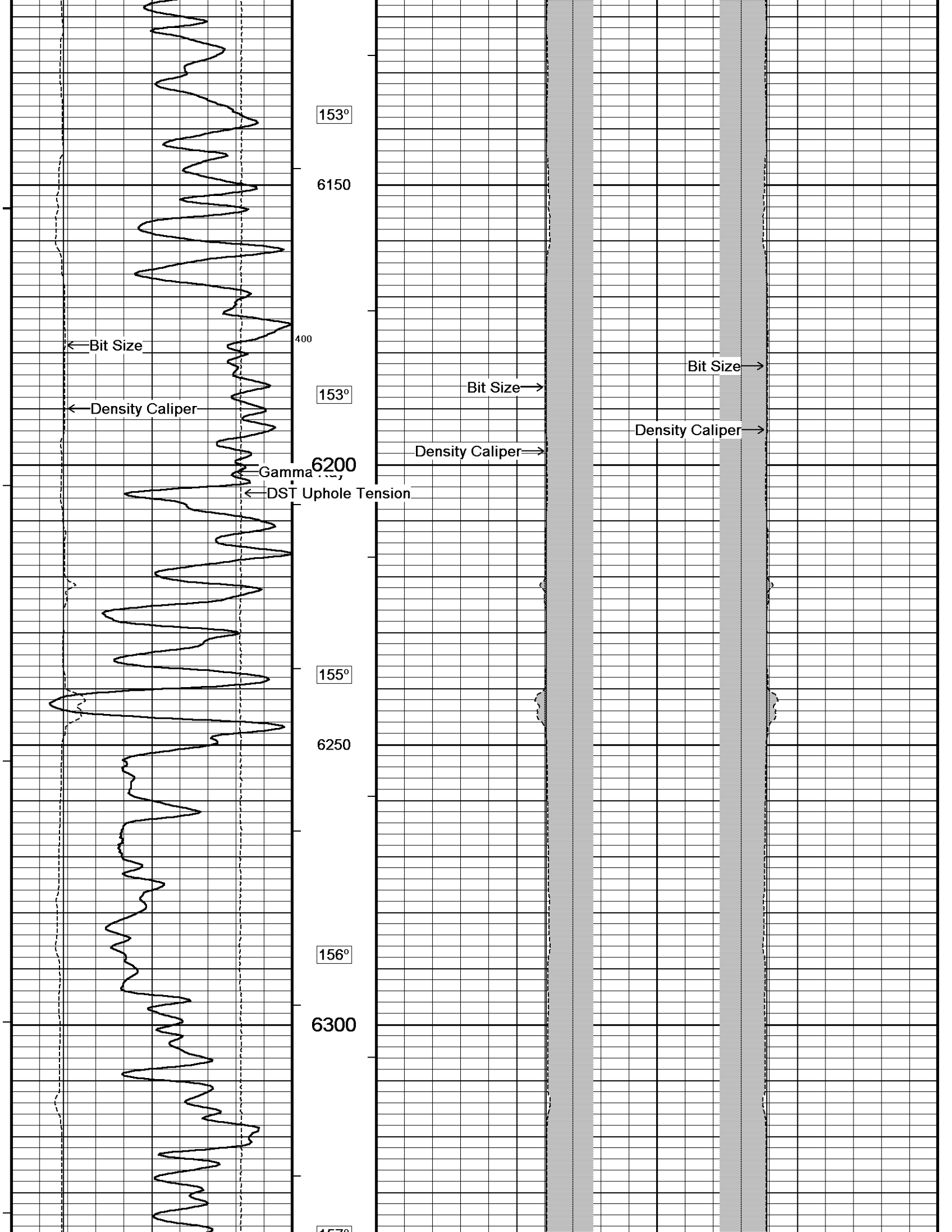


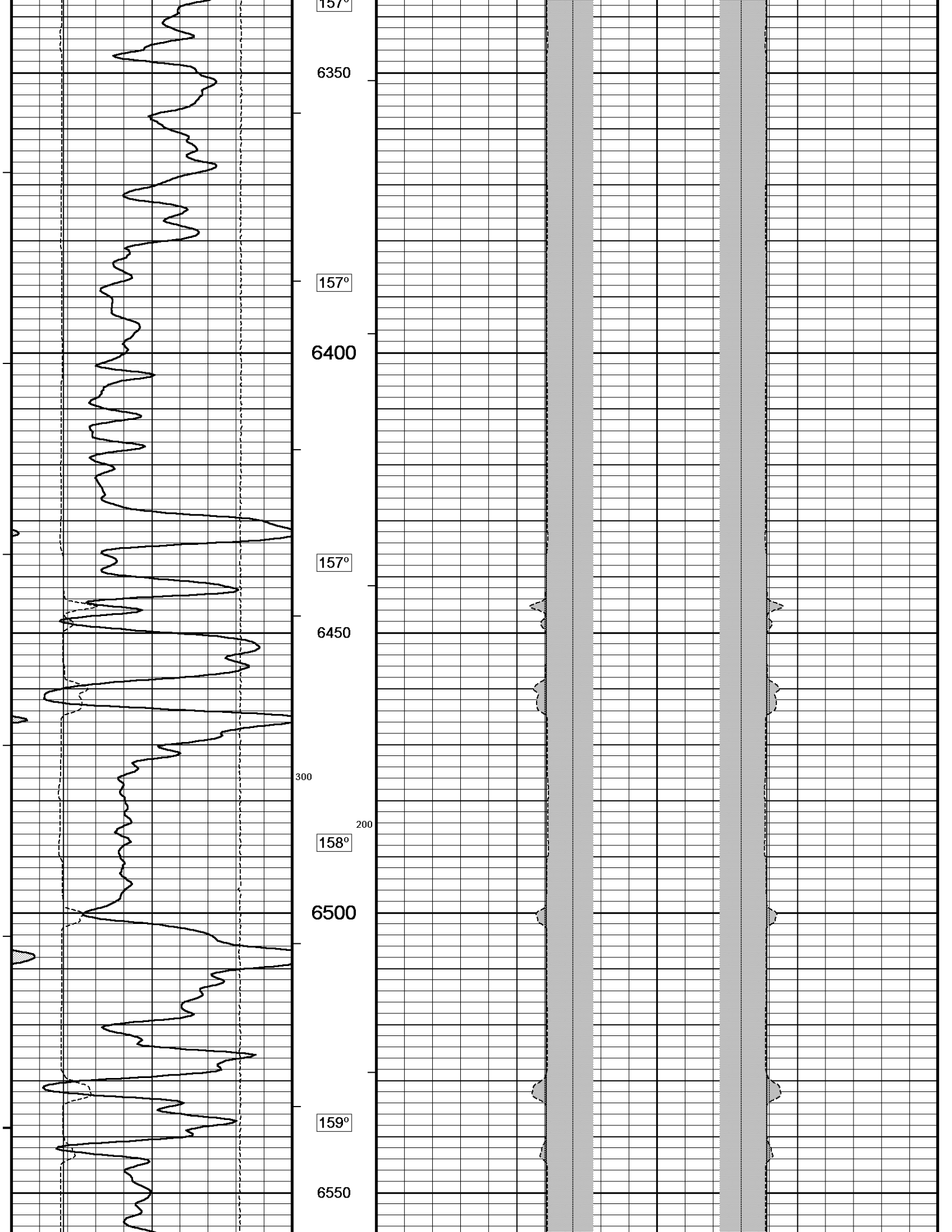


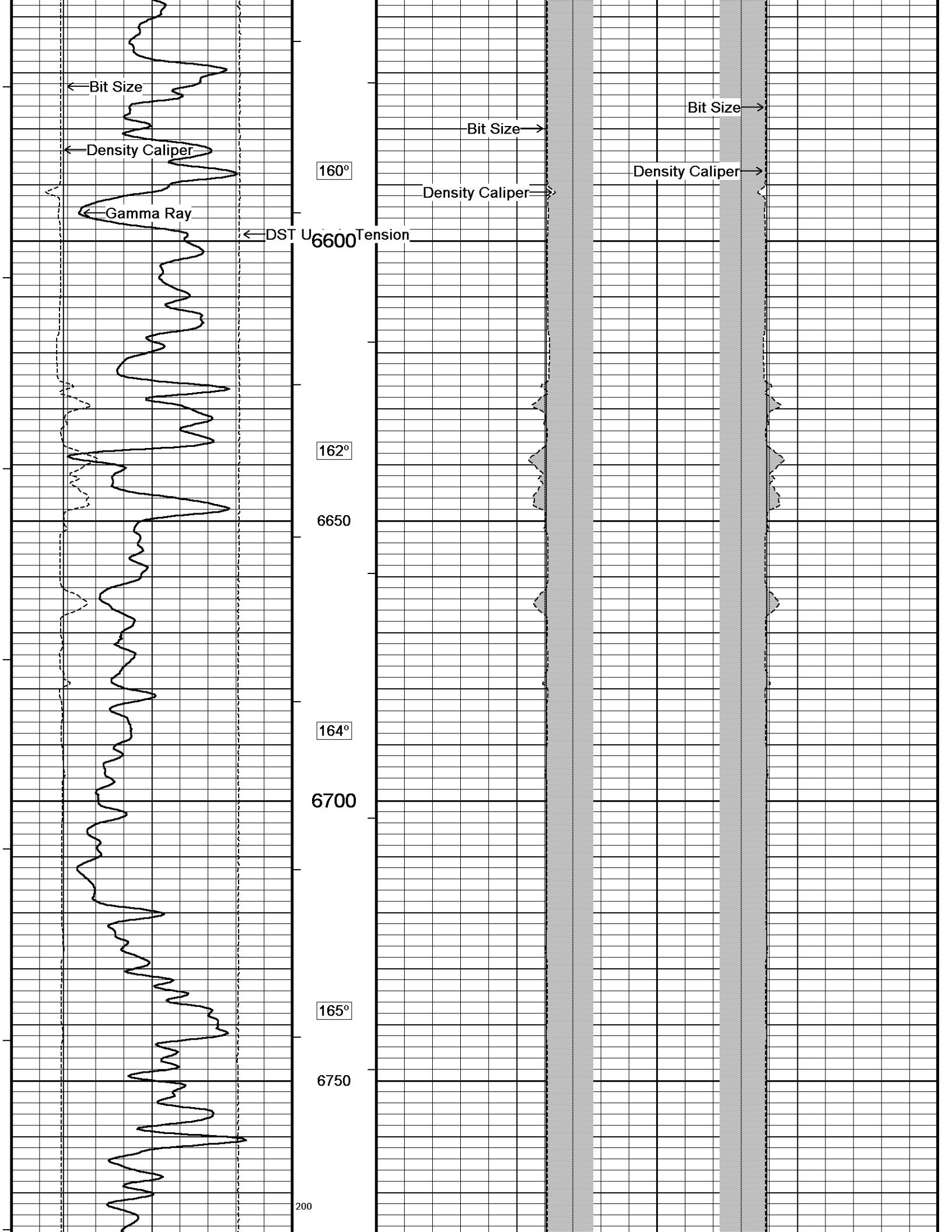


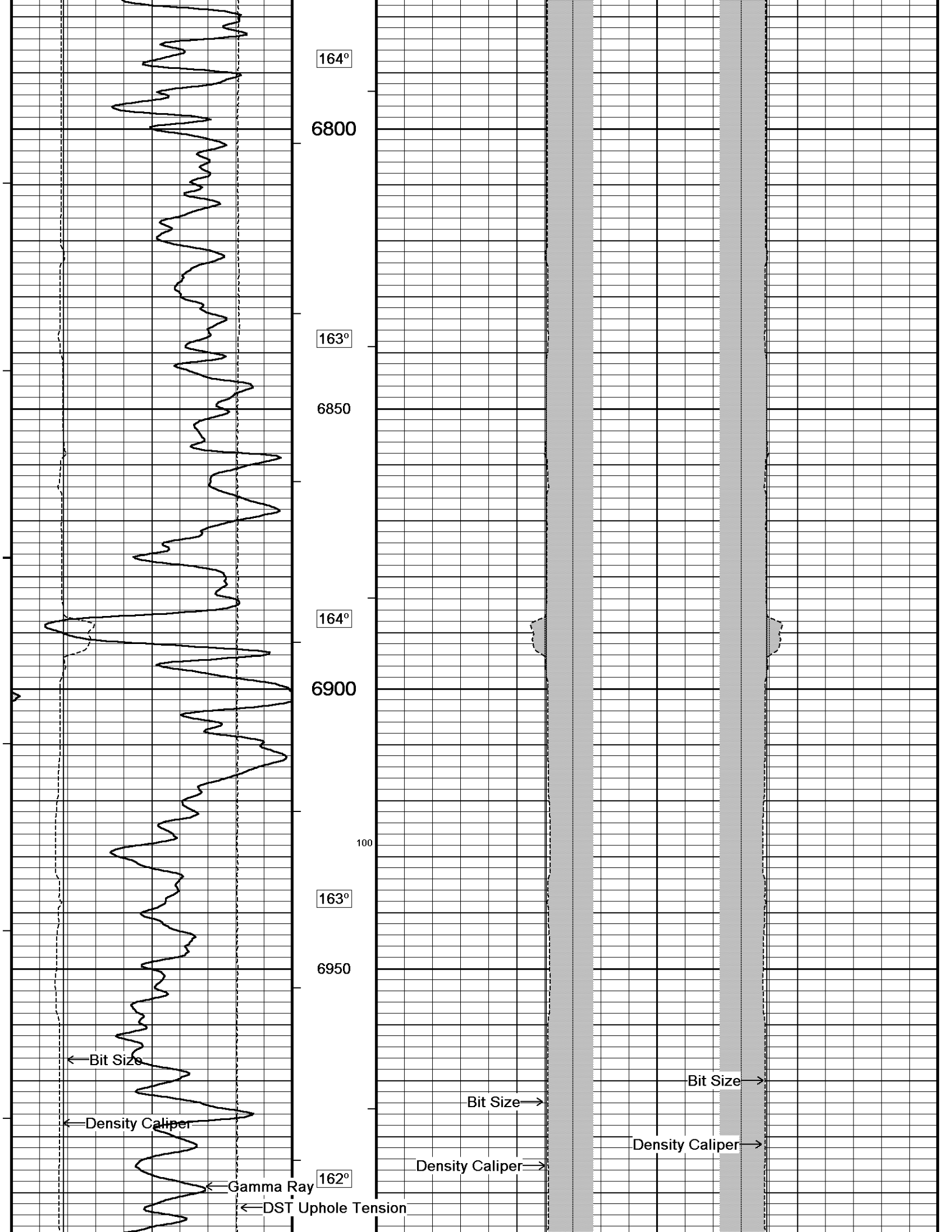


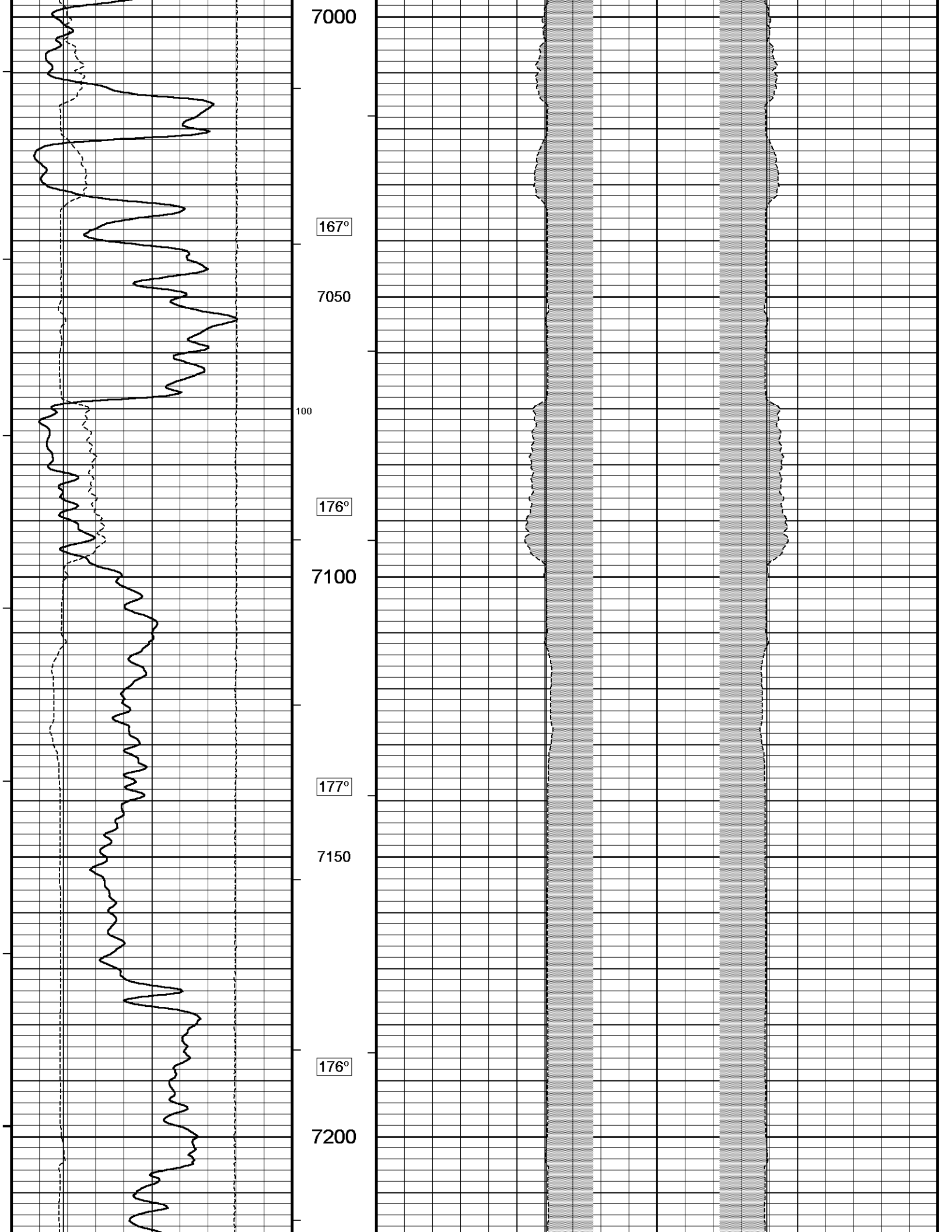


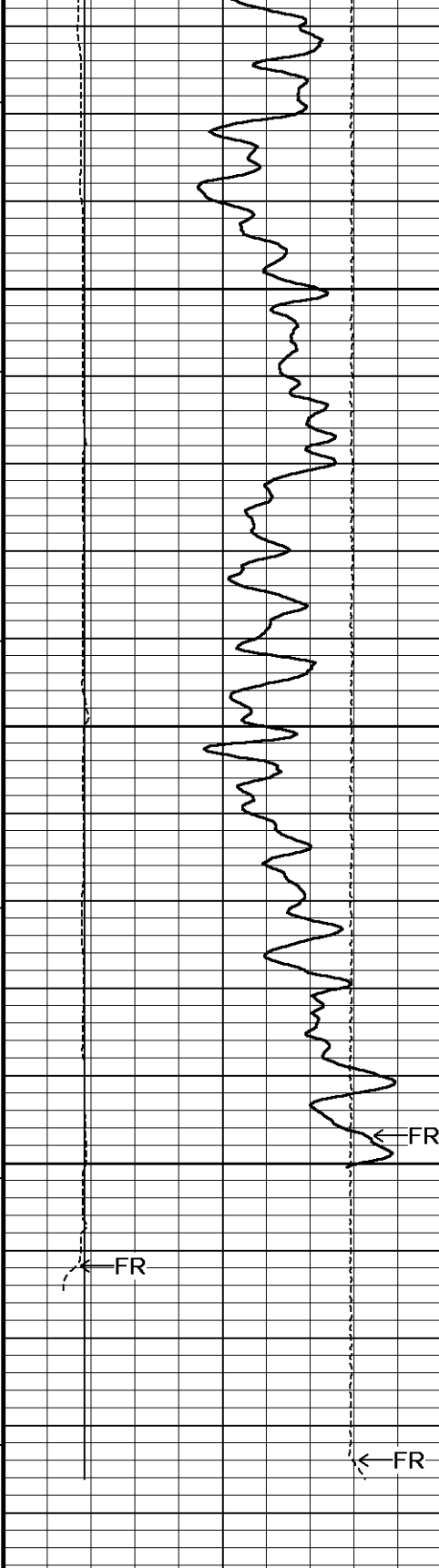












177°

7250

179°

7300

178°

7350

0

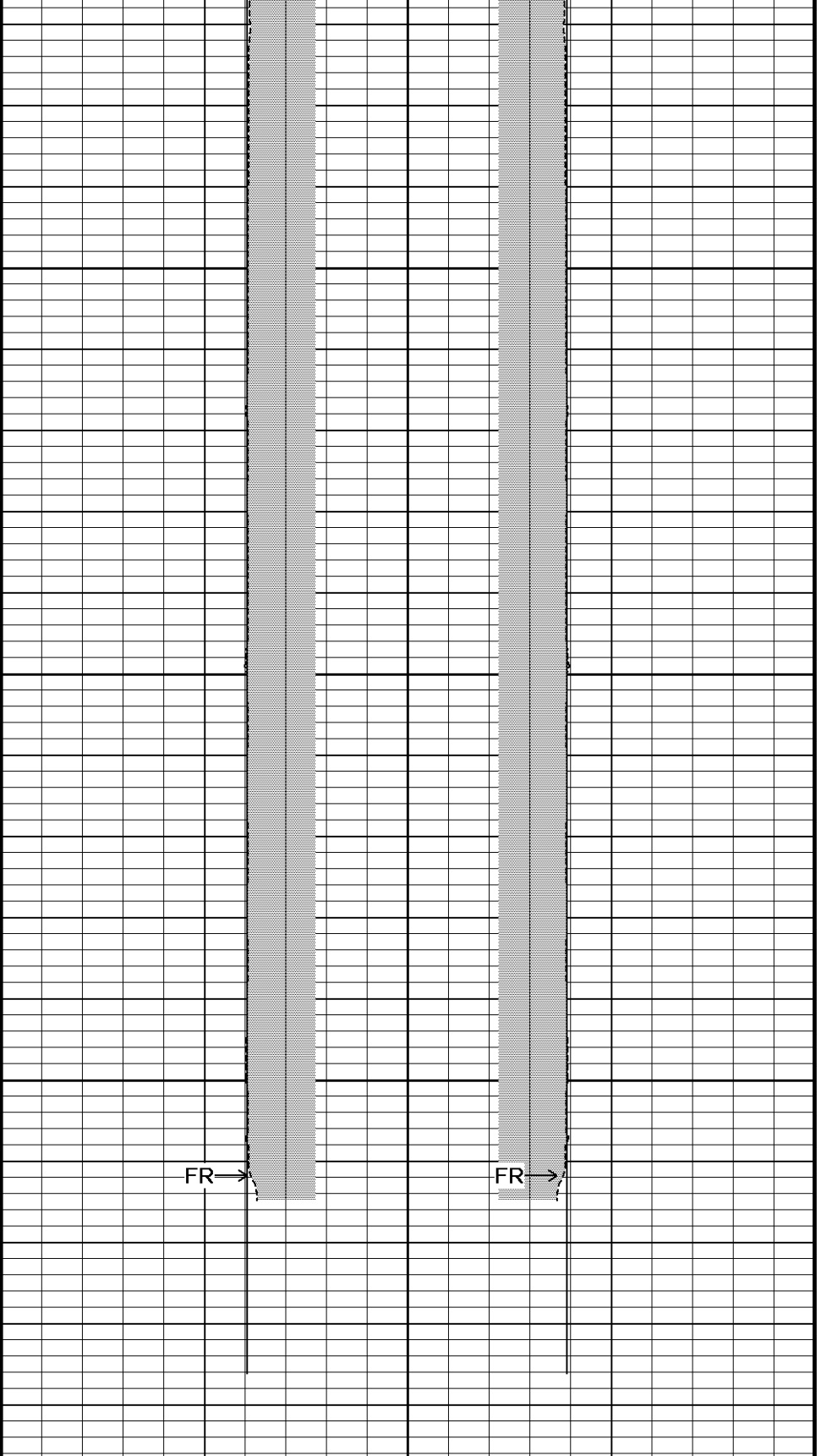
7394

Depth
in
Feet

Timing Marks
every 60.0 sec

DST Uphole Tension(SMTU)
pounds
10000 5000 0

Borehole
Temp in
deg F



FR →

FR →

Density Caliper(CLDC)

inches

20

10

0

0

Density Caliper(CLDC)

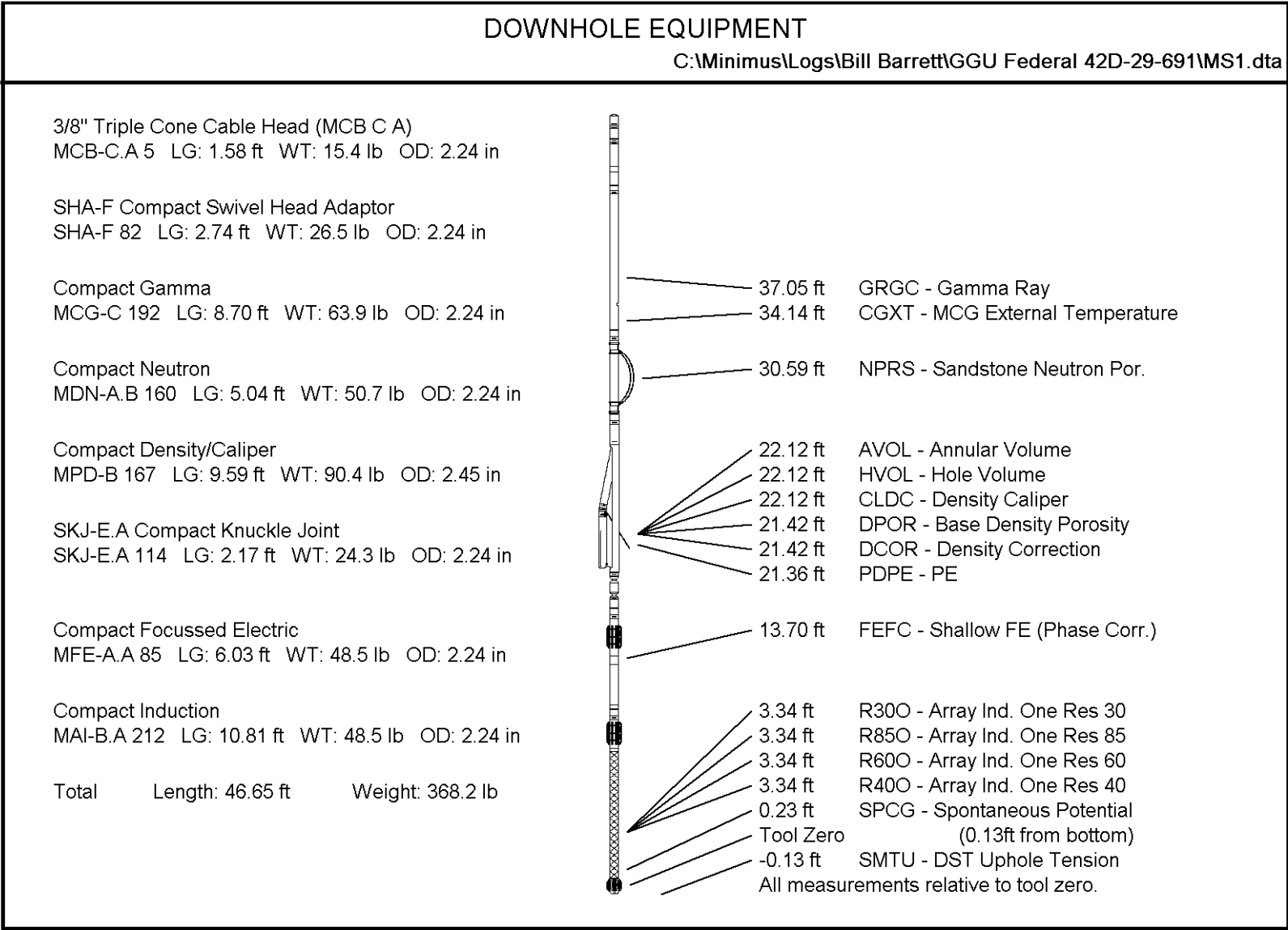
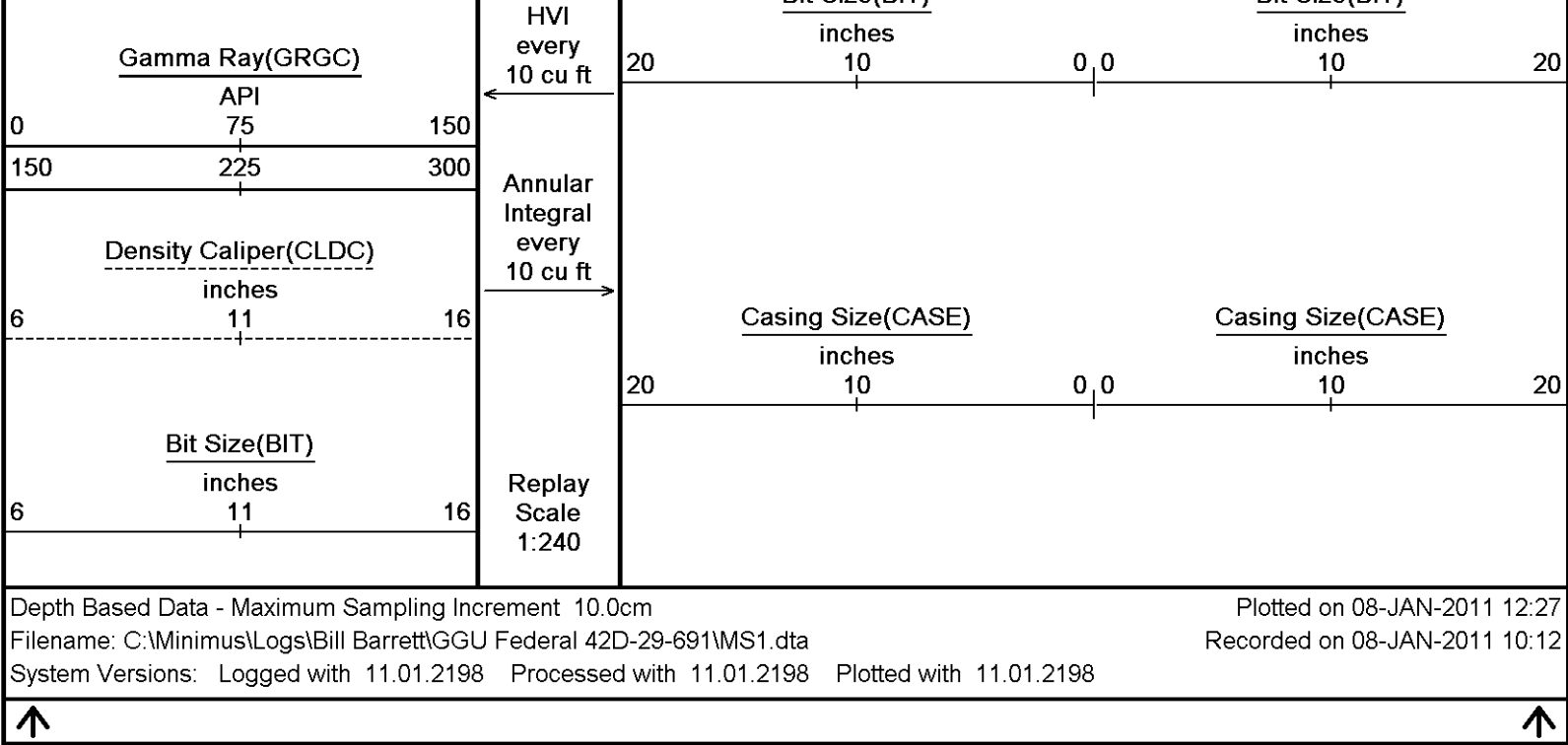
inches

20

10

Bit Size(BIT)

Bit Size(BIT)



FIELD GIBSON GULCH
PROVINCE/COUNTY GARFIELD
COUNTRY/STATE U.S.A. / COLORADO

Elevation Kelly Bushing	6127.00	feet	First Reading	7362.00	
Elevation Drill Floor	6126.00	feet	Depth Driller	7385.00	feet
Elevation Ground Level	6104.00	feet	Depth Logger	7384.00	feet



Weatherford®

HOLE VOLUME
CALIPER LOG

